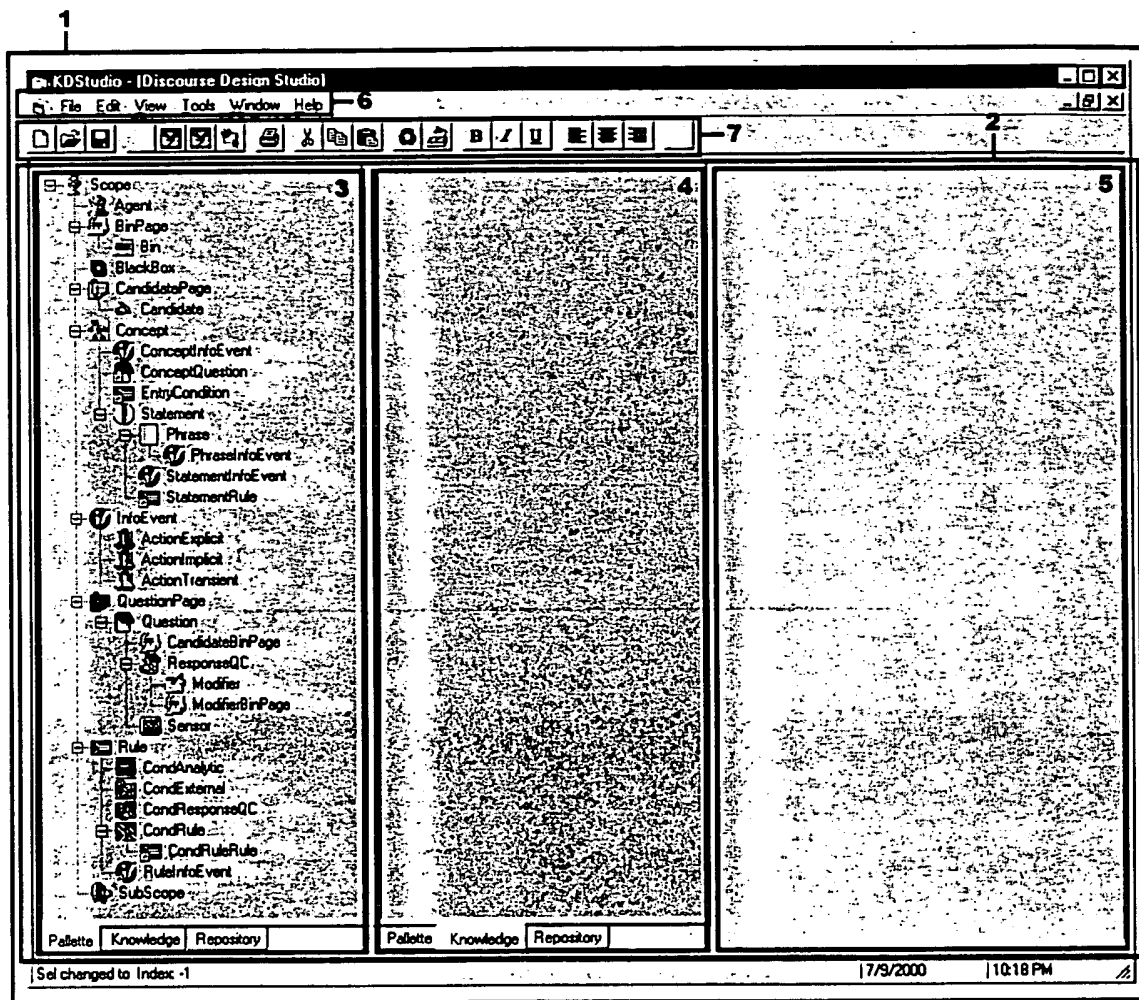


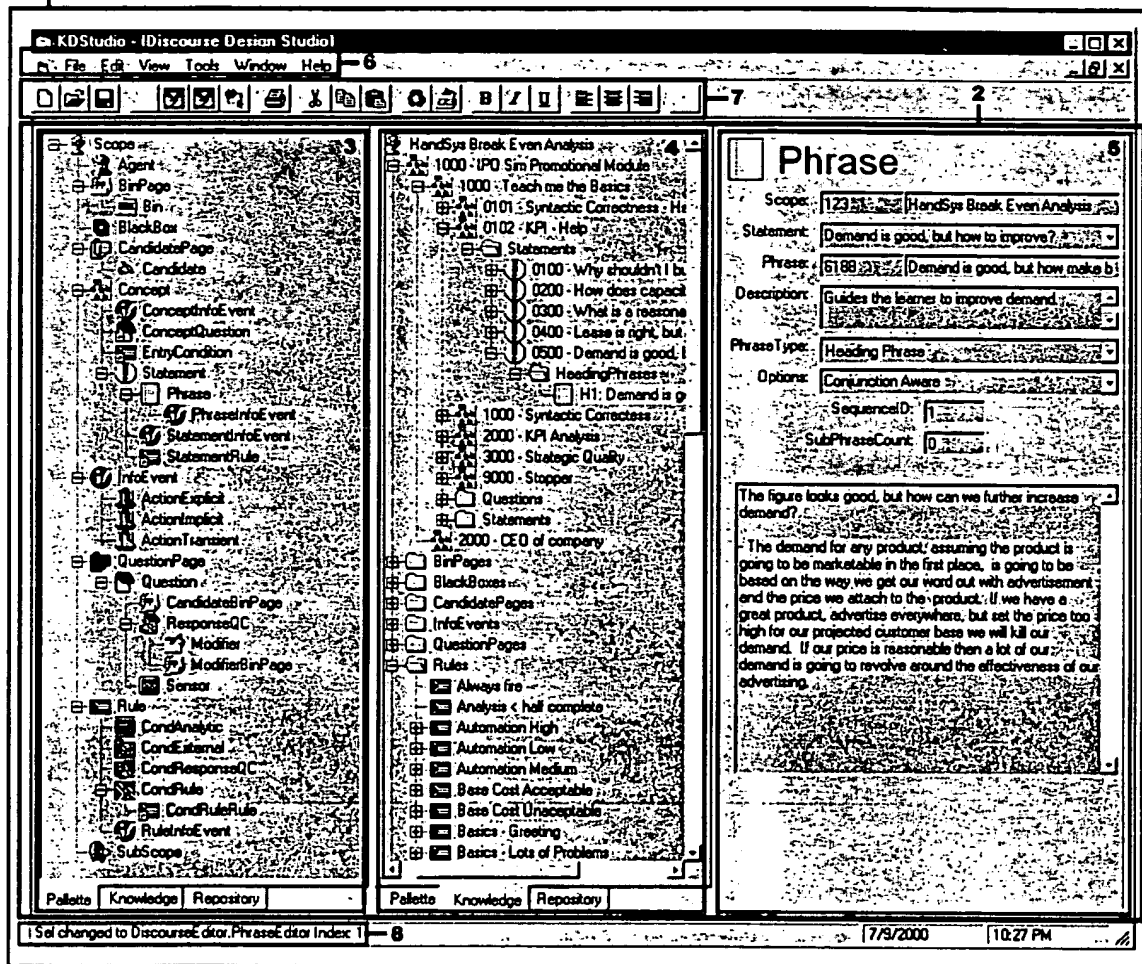
1. Editing Expert System
2. Meta Model Data
3. Edit-Time Data
4. Editing User Interface
5. User begins edit session and Requests Load of Edit-Time Data in User Interface.
6. Editing Expert System loads Edit-Time Data.
7. Editing Expert System loads Meta Model Data specified in Edit-Time Data.
8. Editing Expert System causes Edit-Time Data to be displayed to user.
9. User Begins Edit Action in Editing User Interface. Edit Action Descriptors sent to Editing Expert System.
10. Editing Expert System validates Edit Action, Returns Status Code and Support Message. Editing User Interface displays status information to user

Figure 1: User Interaction Overview

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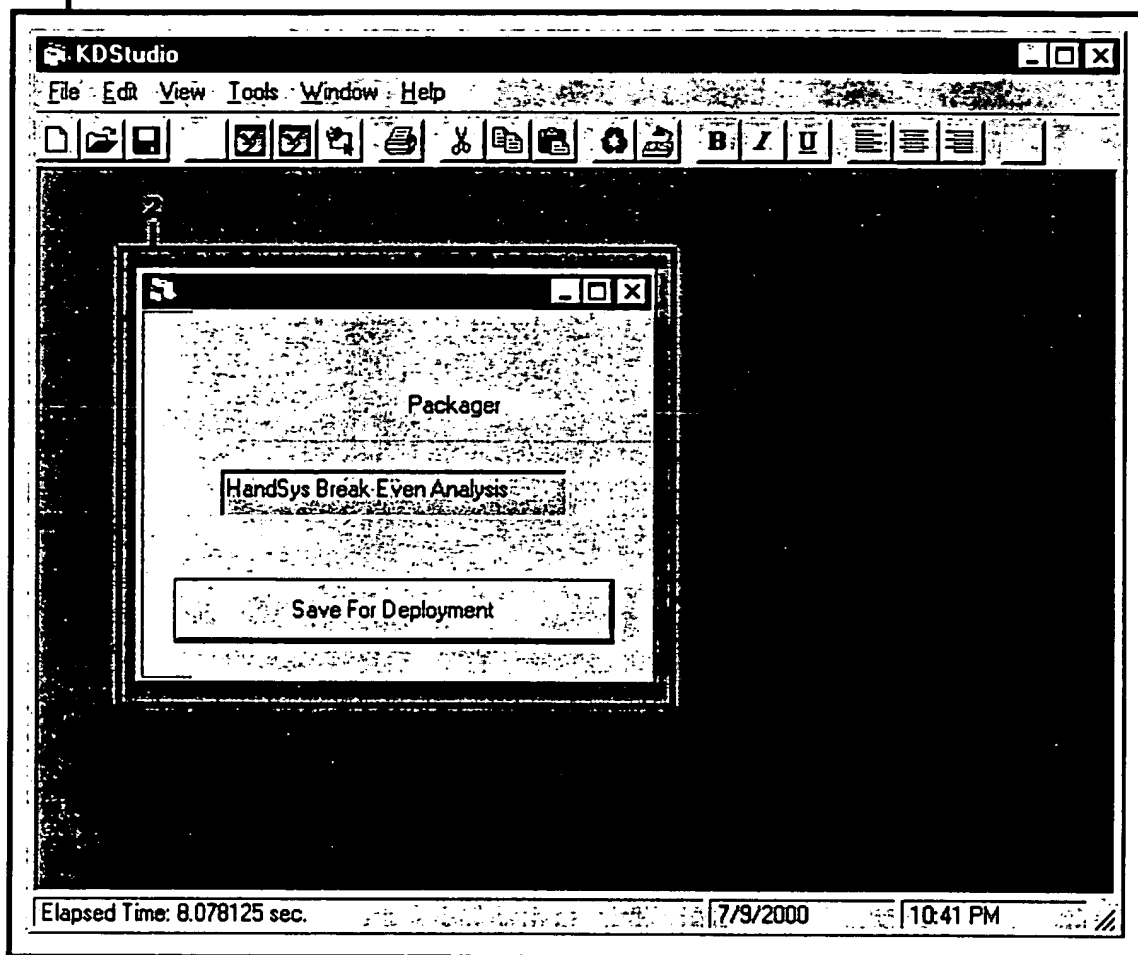
**Figure 2:** In accordance with a preferred embodiment, a screenshot of a Universal Data Editing, Testing, and Management Environment showing a dynamically loaded Viewer and Controller for a Universal Data Editor Component. In this specimen, the left pane shows a data formation representing an exemplary set of meta model data representing an edit time model. No edit time data is loaded or displayed.



**Figure 3:** In accordance with a preferred embodiment, a screenshot of a Universal Data Editing, Testing, and Management Environment showing a dynamically loaded Viewer and Controller for a Universal Data Editor Component. In this specimen, the left pane shows a data formation representing an exemplary set of meta model data representing an edit time model. The middle pane shows a data formation representing an exemplary set of edit time data. The right pane shows a dynamically loaded detail editor form displaying the member value information of the selected element.



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**Figure 5:** In accordance with a preferred embodiment, a screenshot of a Universal Data Editing, Testing, and Management Environment showing a dynamically loaded Data Packager and Deployment component.

C:\WINDOWS\TEMP\00\_07\_~1

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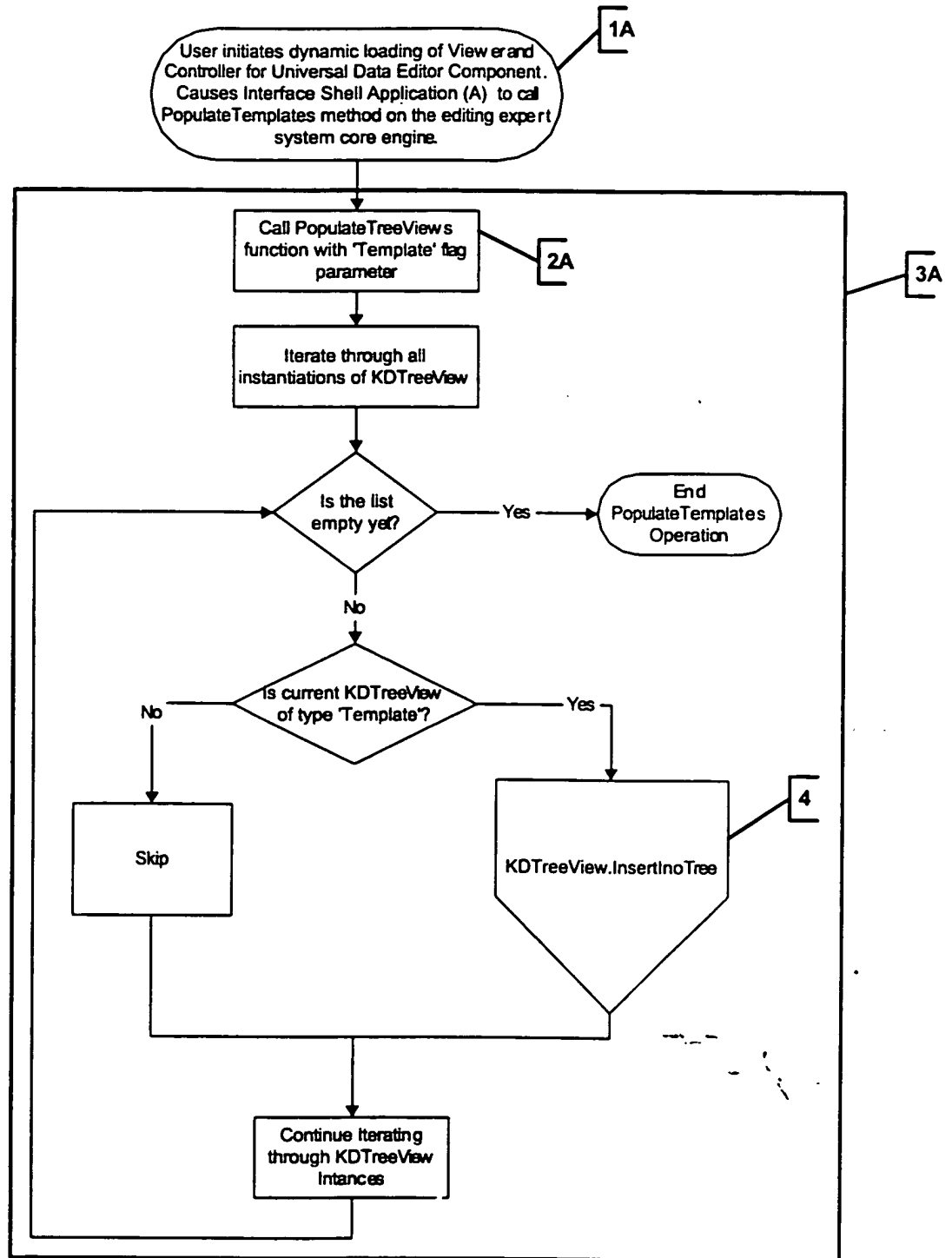


Figure 6<sup>A</sup> Flow Chart depicting  
PopulateTemplates and PopulateData operations

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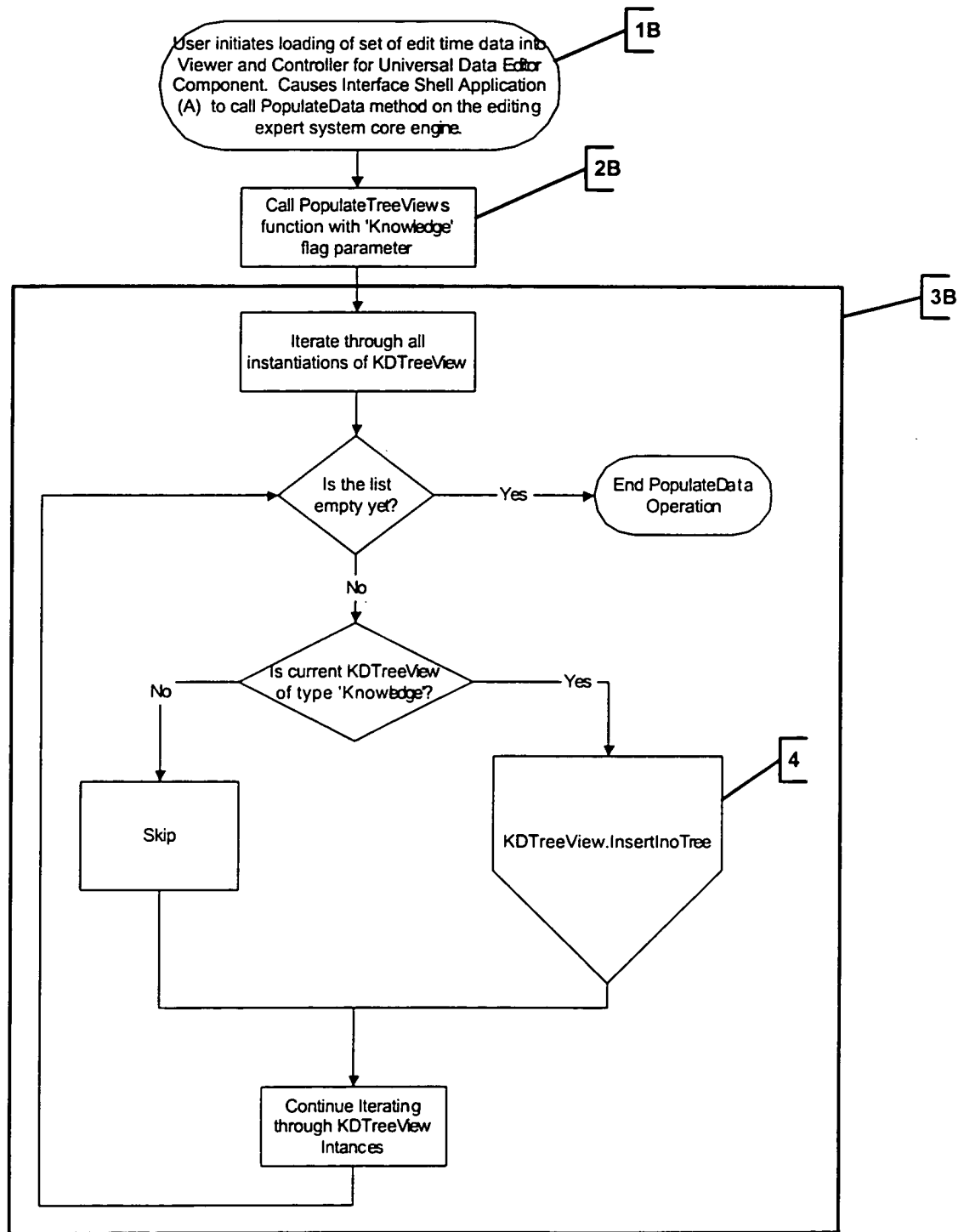


Figure 6<sup>B</sup> Flow Chart depicting  
PopulateTemplates and PopulateData operations

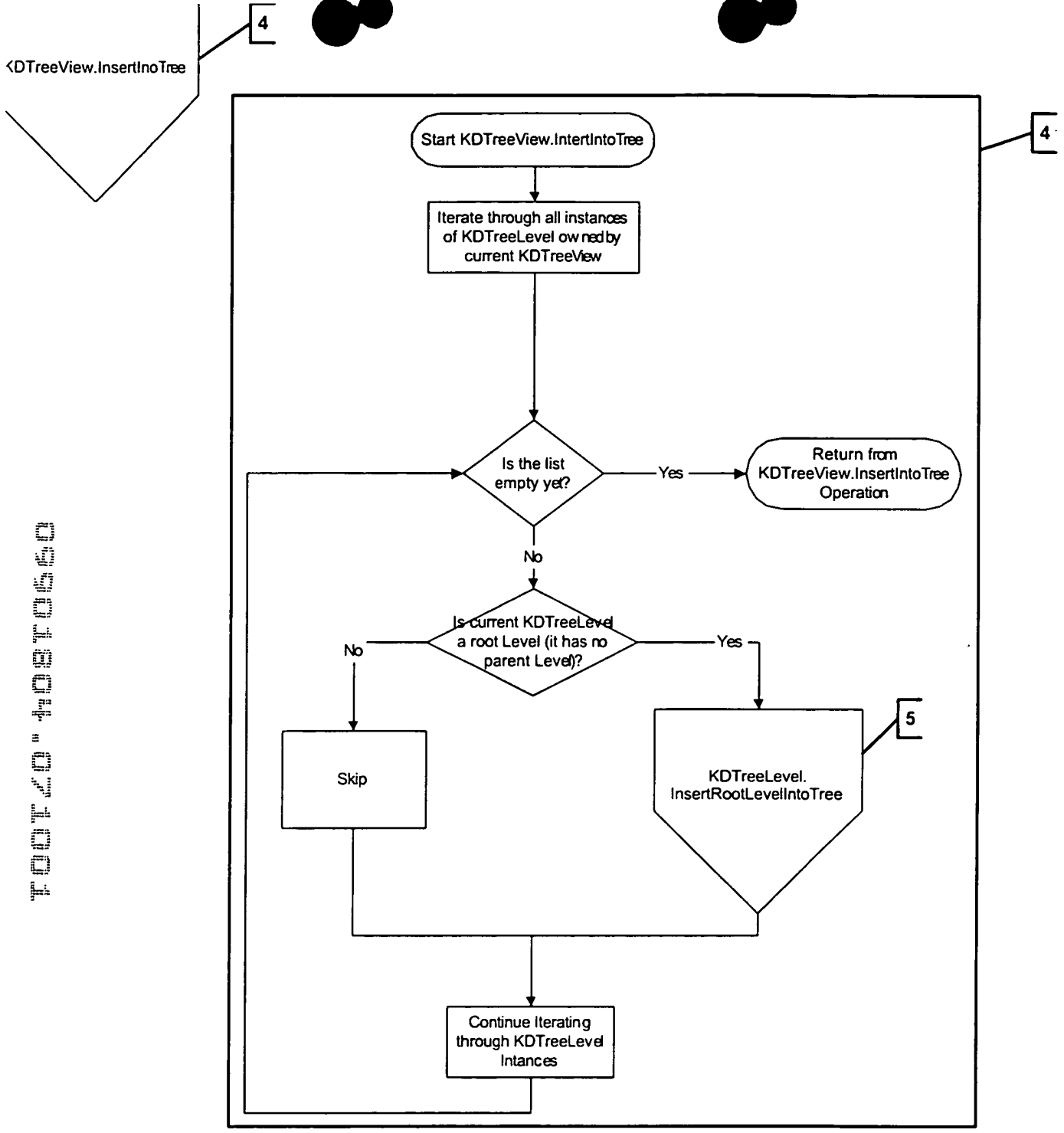


Figure 6: Flow Chart depicting PopulateTemplates and PopulateData operations

Part 3 of 10



5

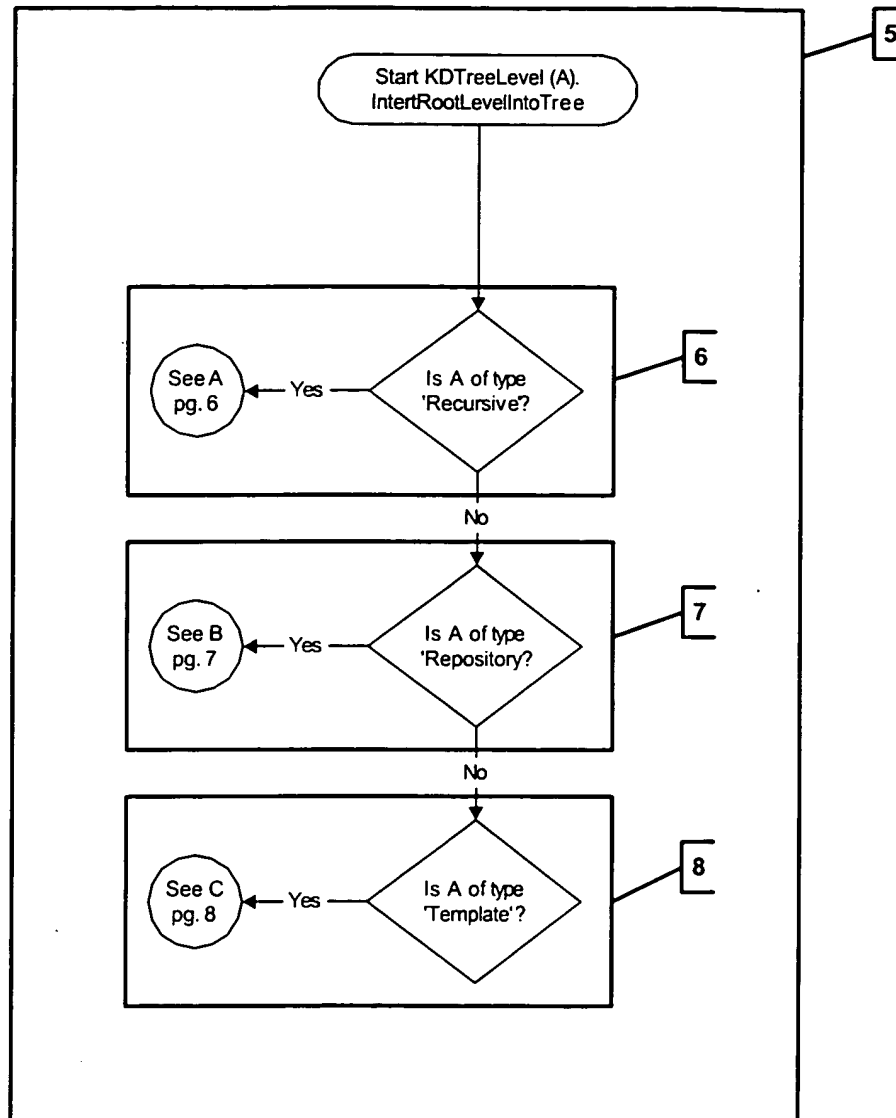


Figure 6<sup>1</sup> Flow Chart depicting  
PopulateTemplates and PopulateData operations

KDTreeLevel.  
InsertChildLevelIntoTree

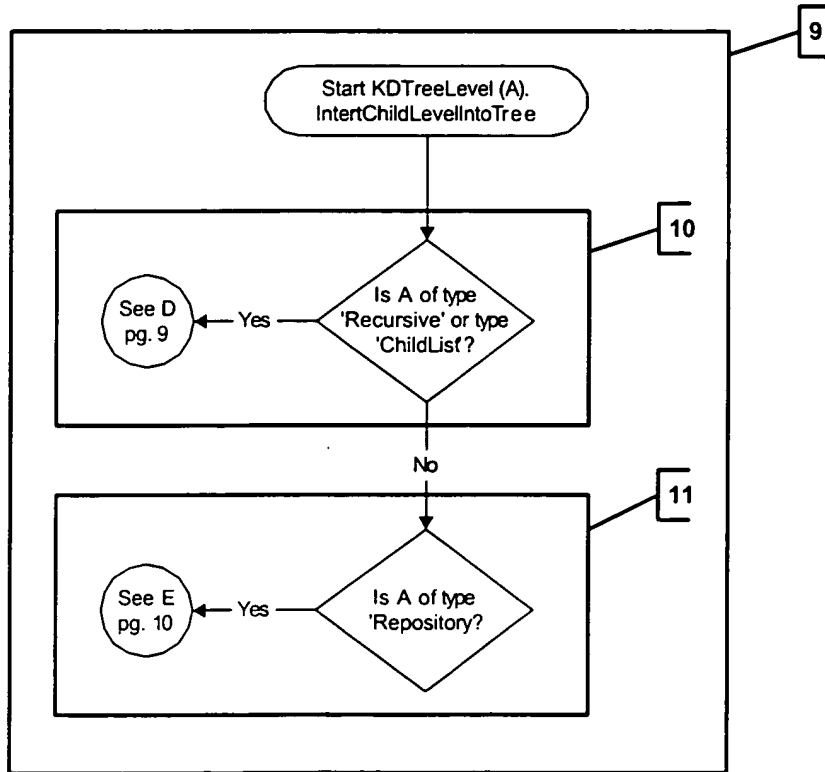


Figure 6<sup>6</sup> Flow Chart depicting  
PopulateTemplates and PopulateData operations

2004-07-10 10:04:30

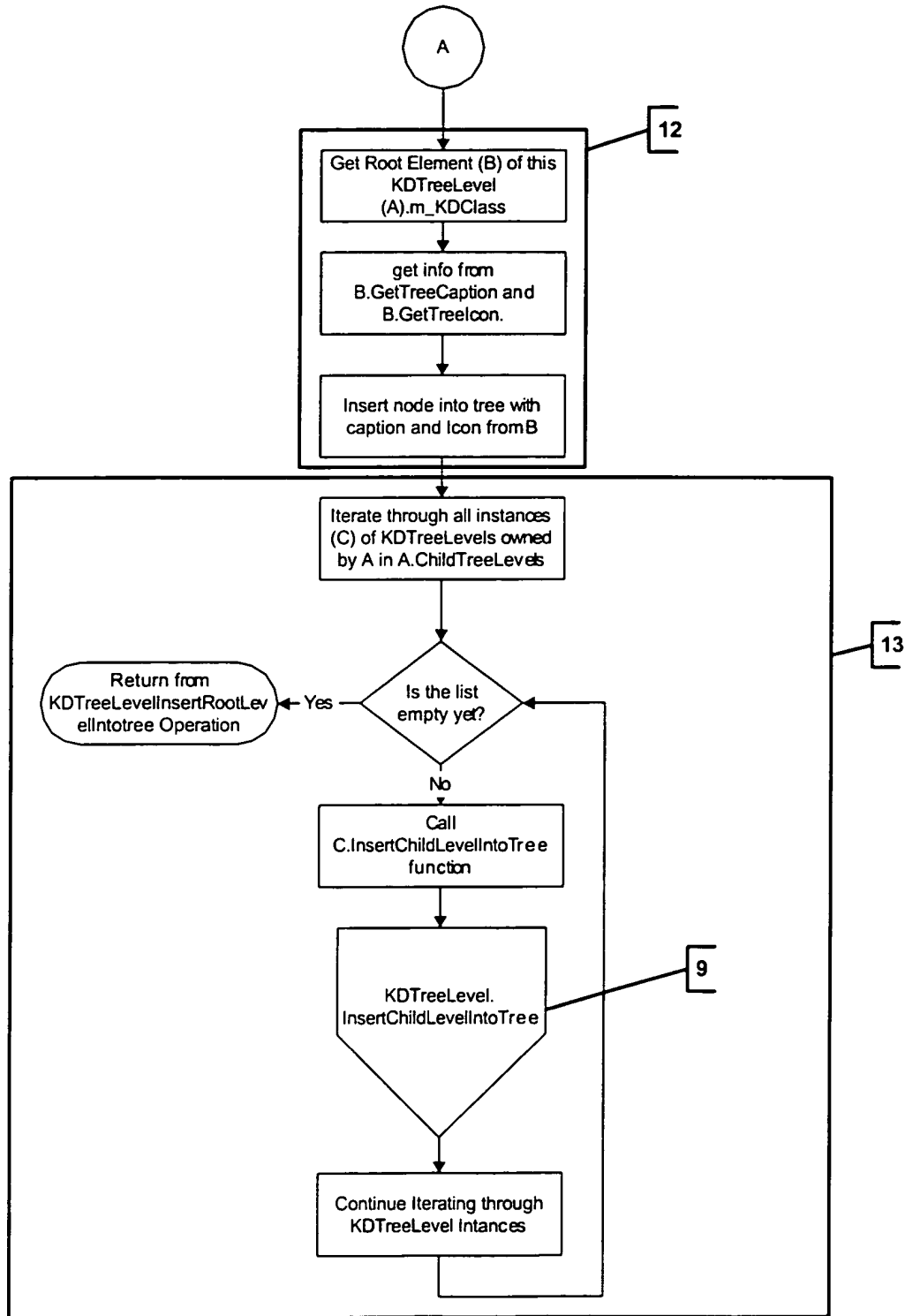


Figure 6i Flow Chart depicting  
PopulateTemplates and PopulateData operations

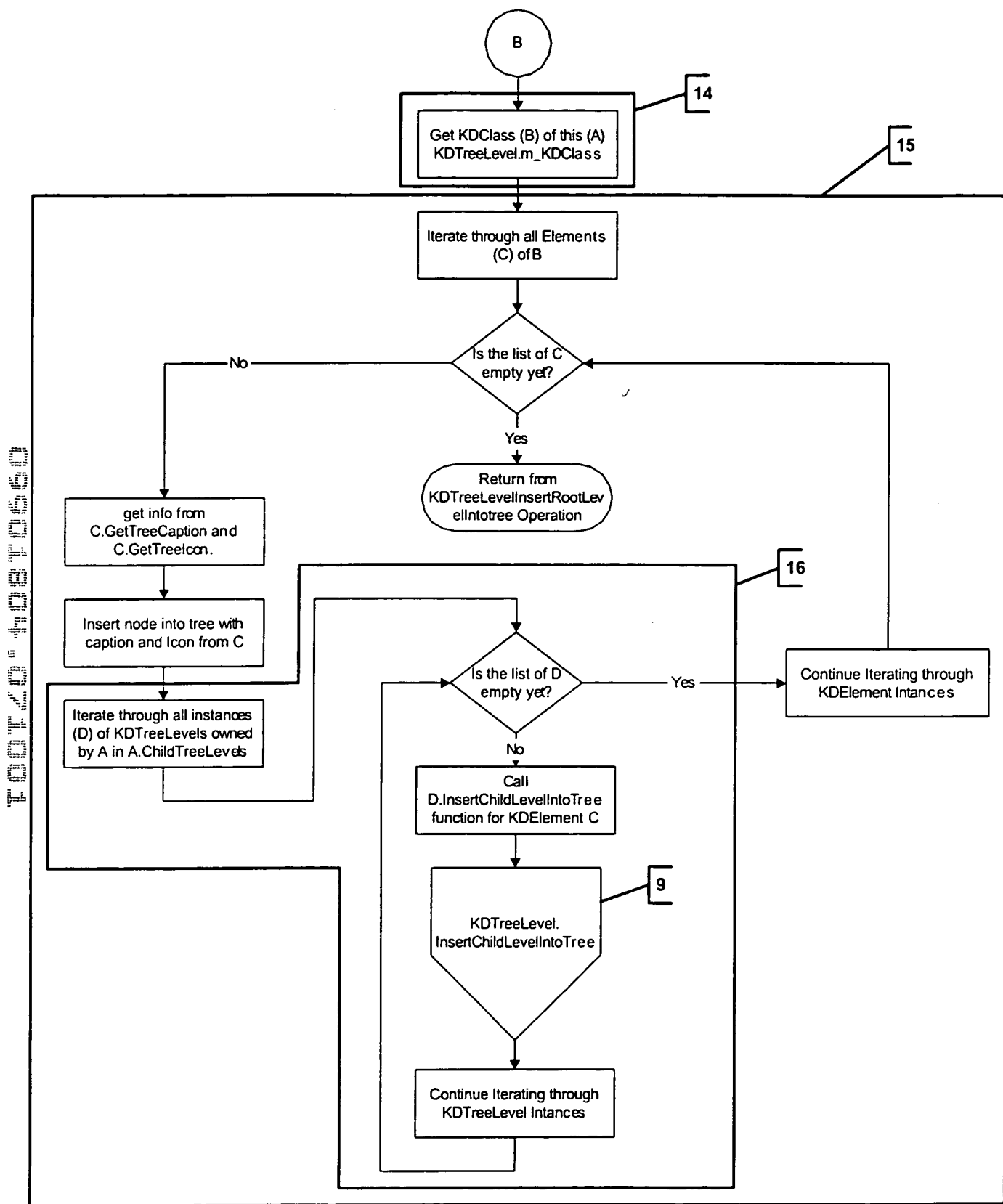


Figure 6<sup>G</sup> Flow Chart depicting PopulateTemplates and PopulateData operations

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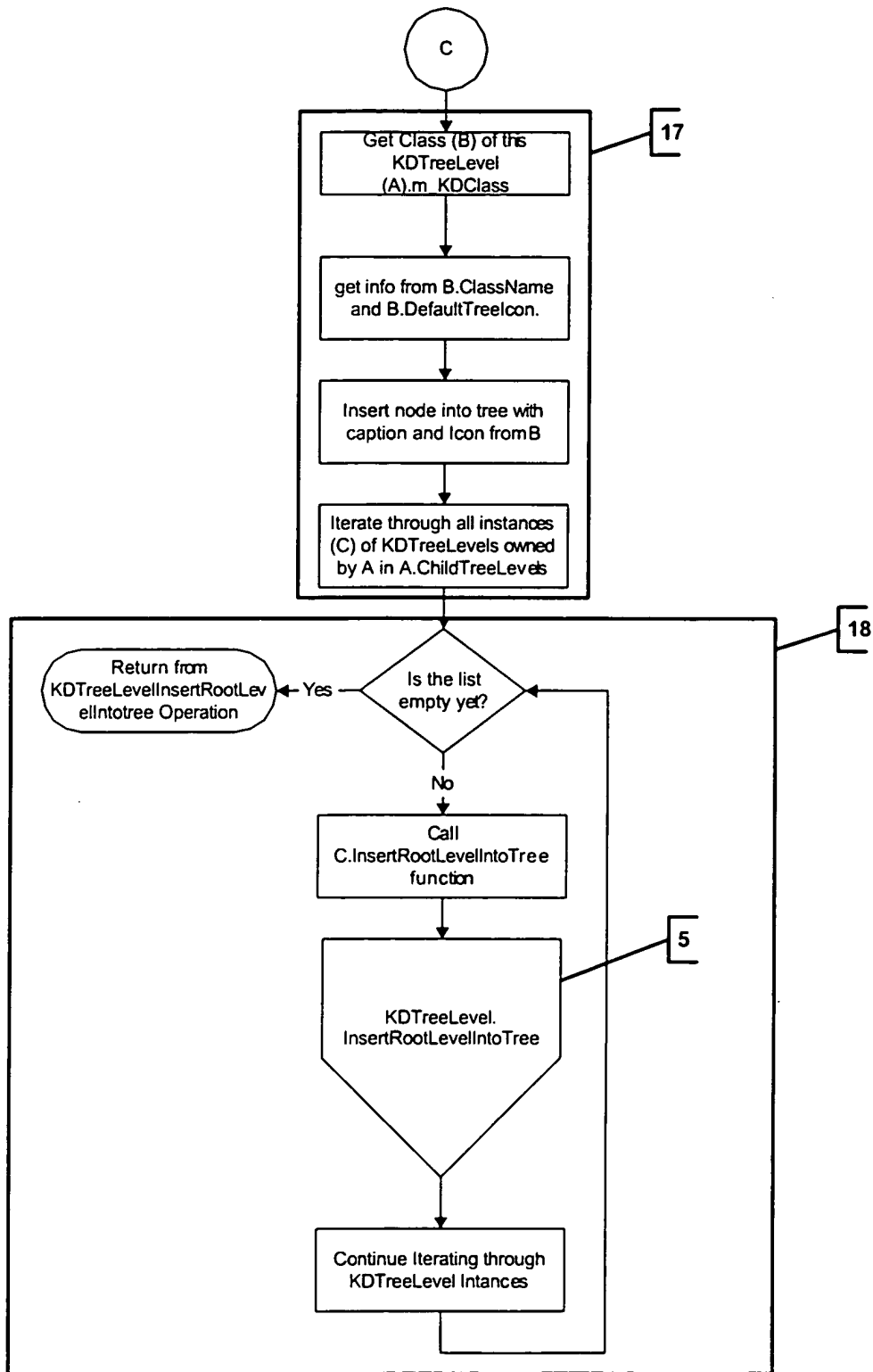


Figure 6A Flow Chart depicting  
PopulateTemplates and PopulateData operations

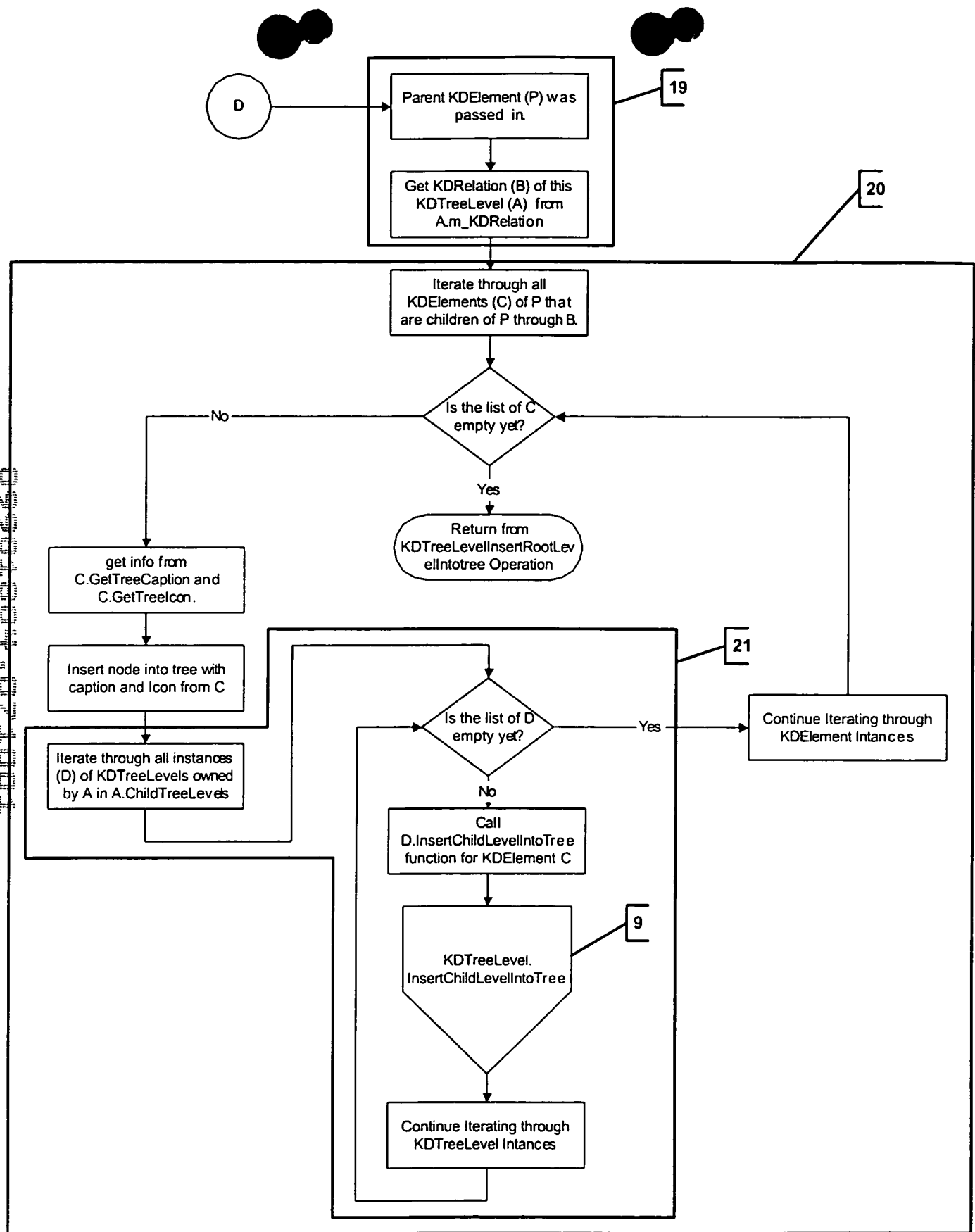


Figure 6<sup>1</sup> Flow Chart depicting  
PopulateTemplates and PopulateData operations

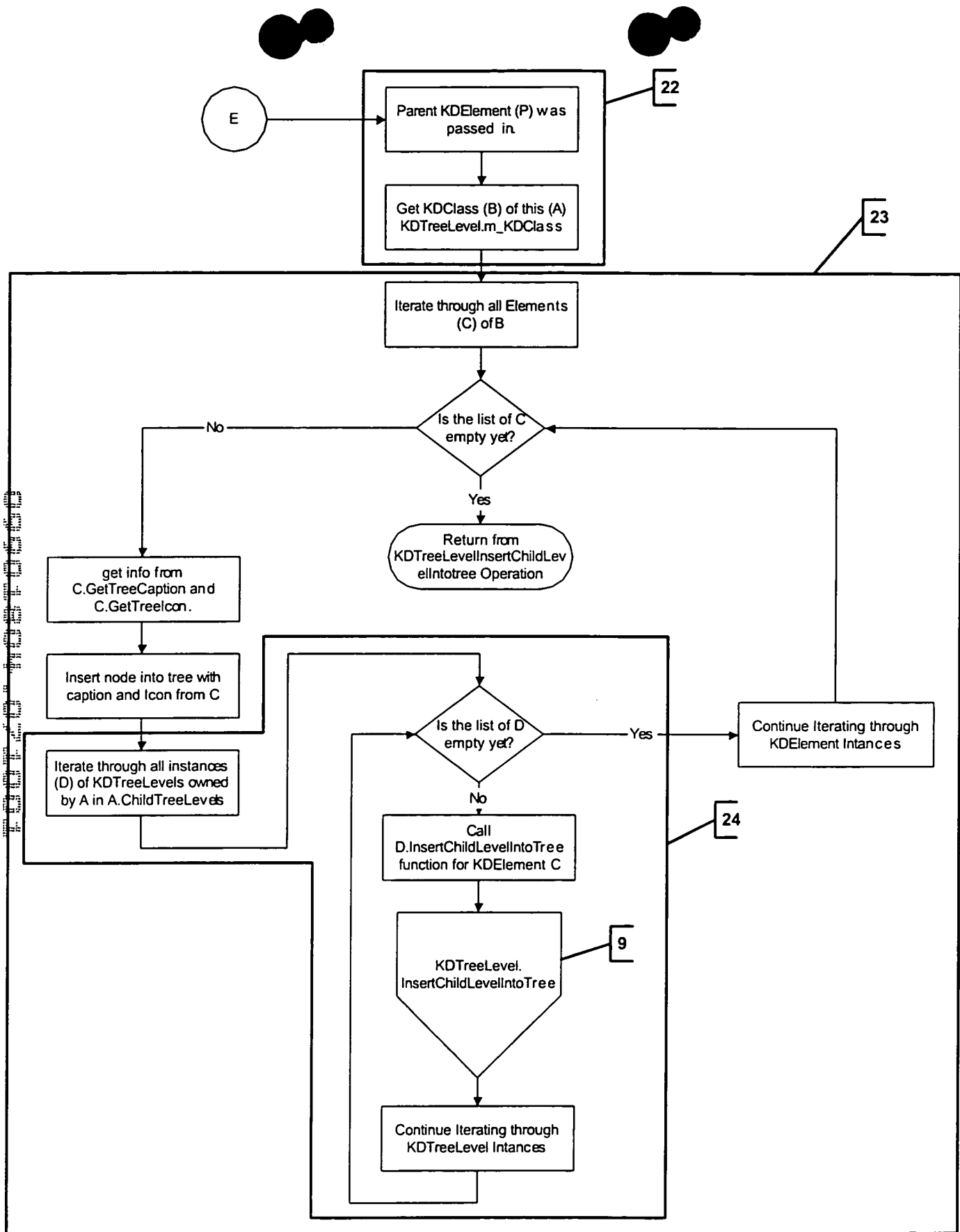


Figure 6<sup>1</sup> Flow Chart depicting  
 PopulateTemplates and PopulateData operations  
 Part 10 of 10





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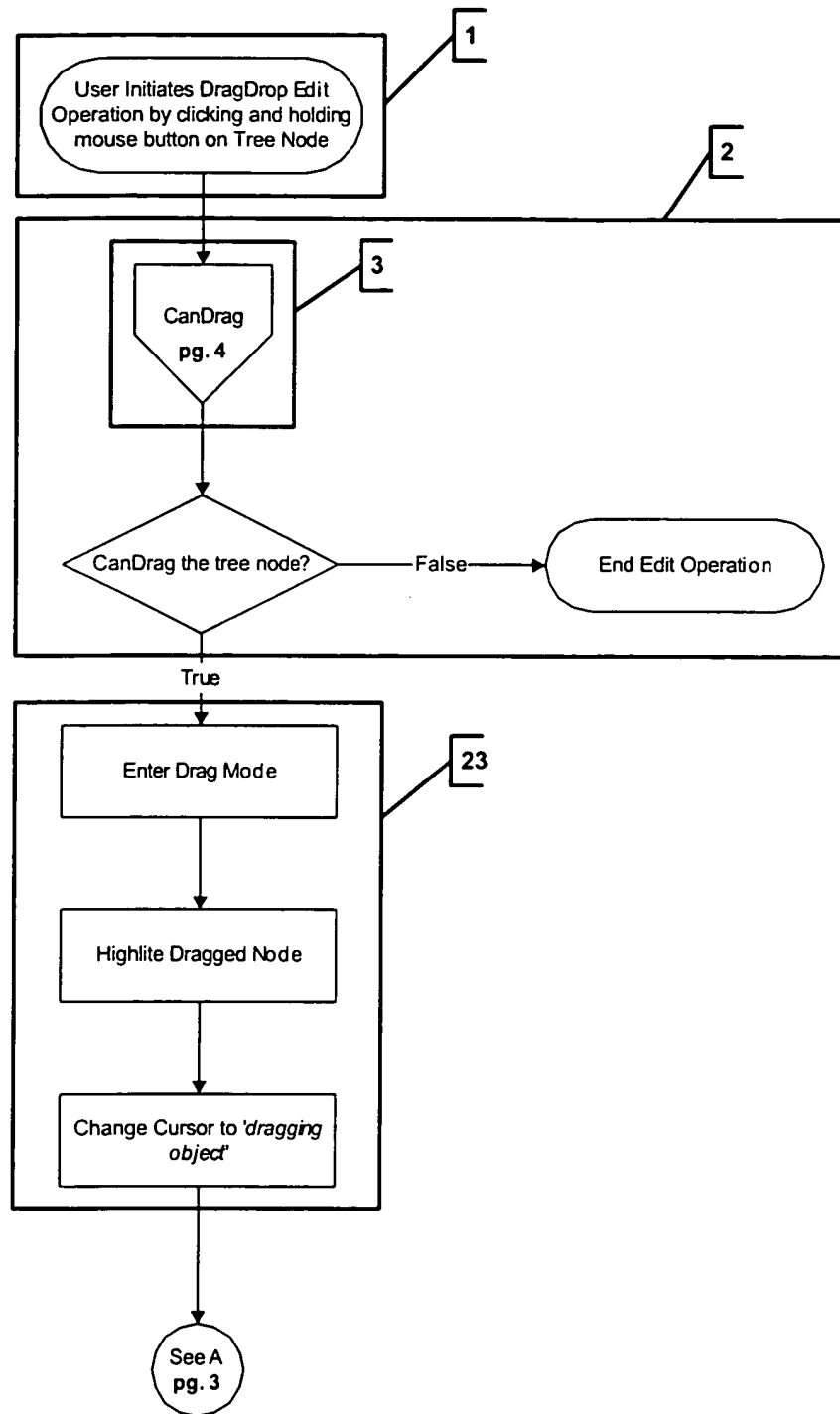


Figure 8<sup>A</sup> Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

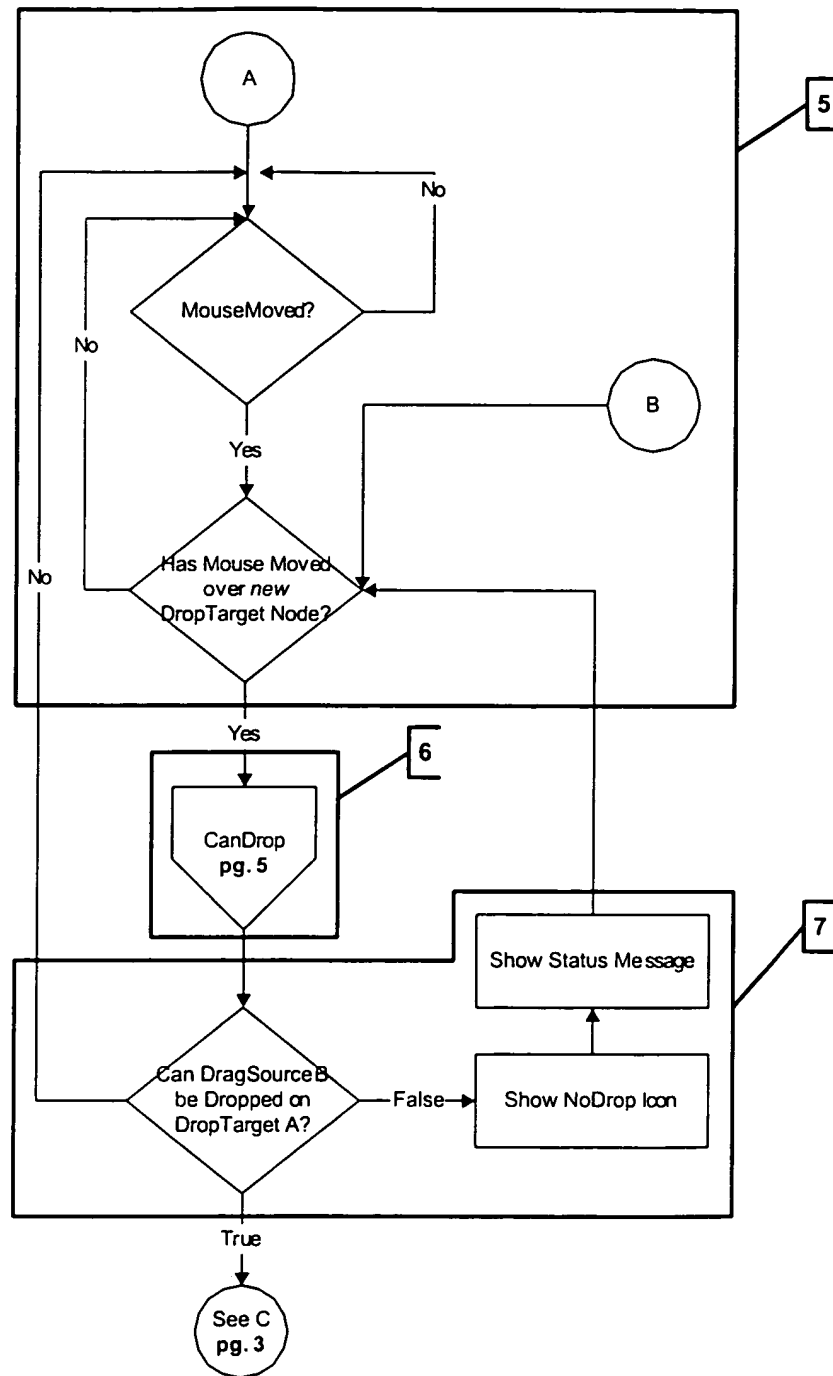


Figure 8<sup>B</sup> Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

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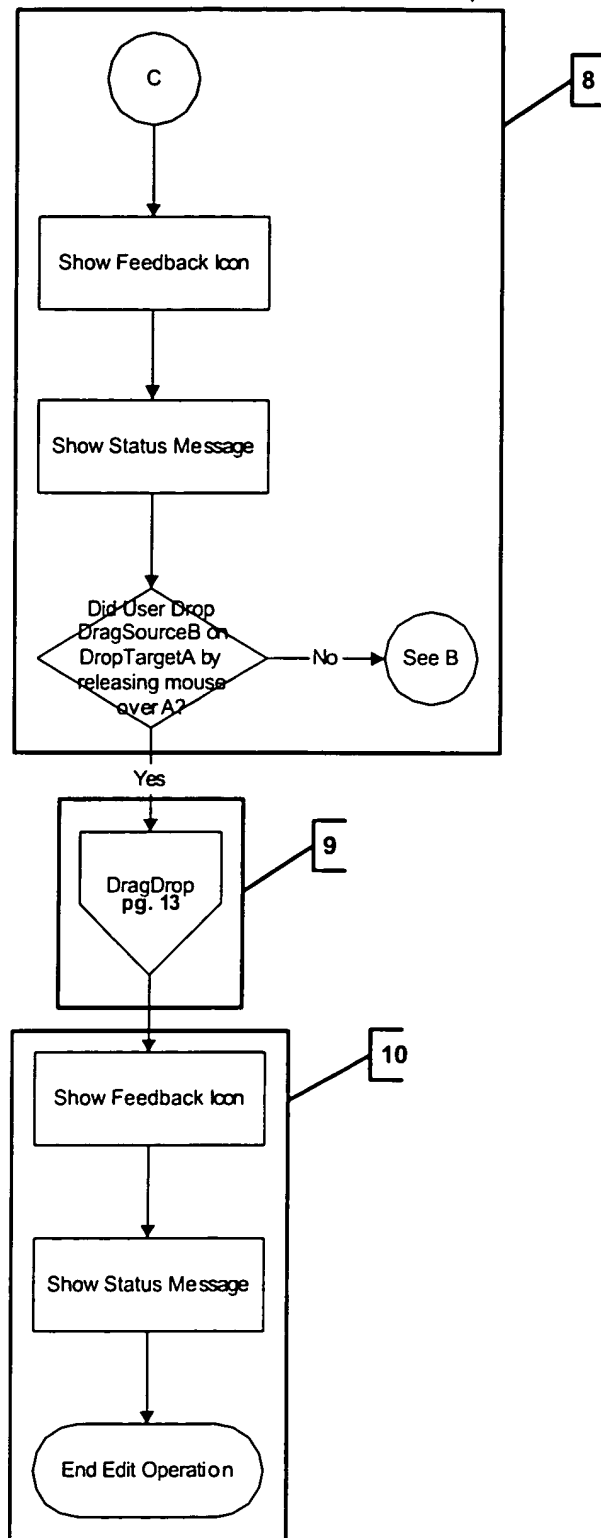
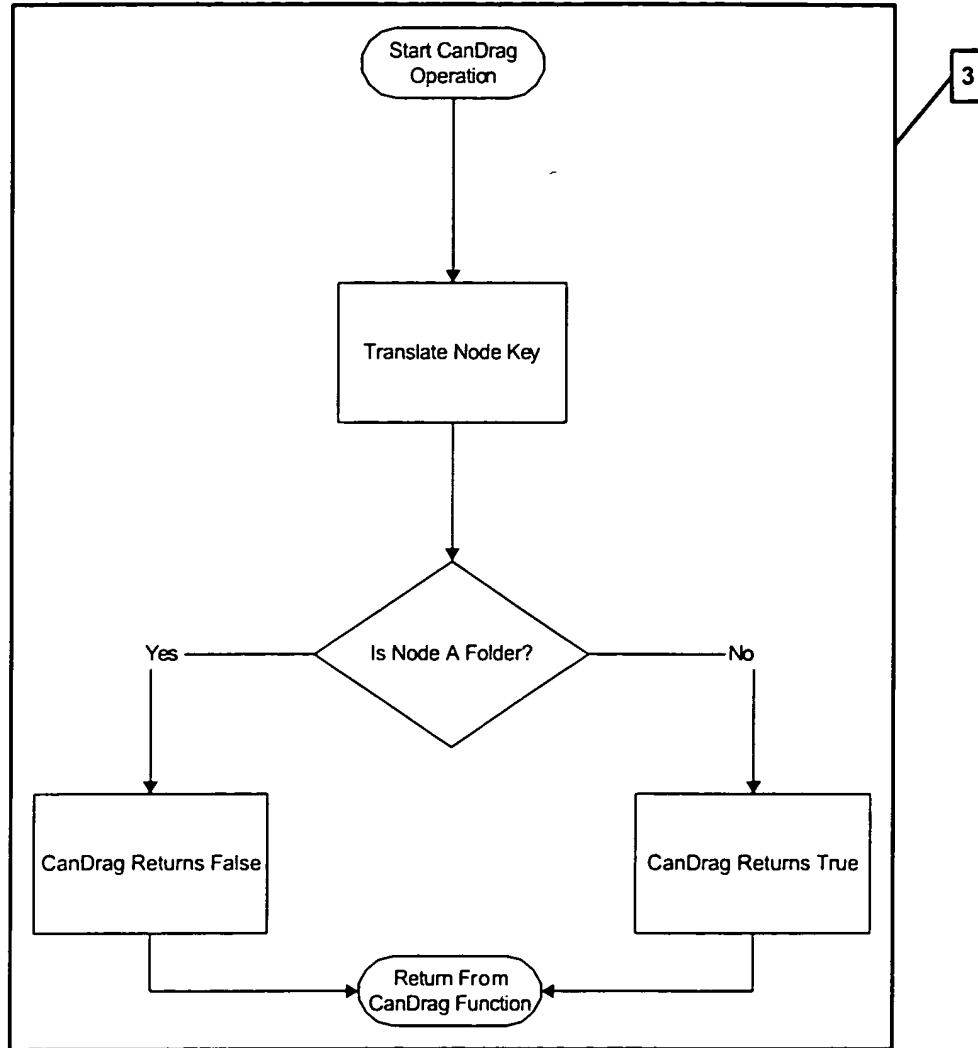


Figure 8<sup>A</sup> Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations



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Figure 8<sup>D</sup> Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

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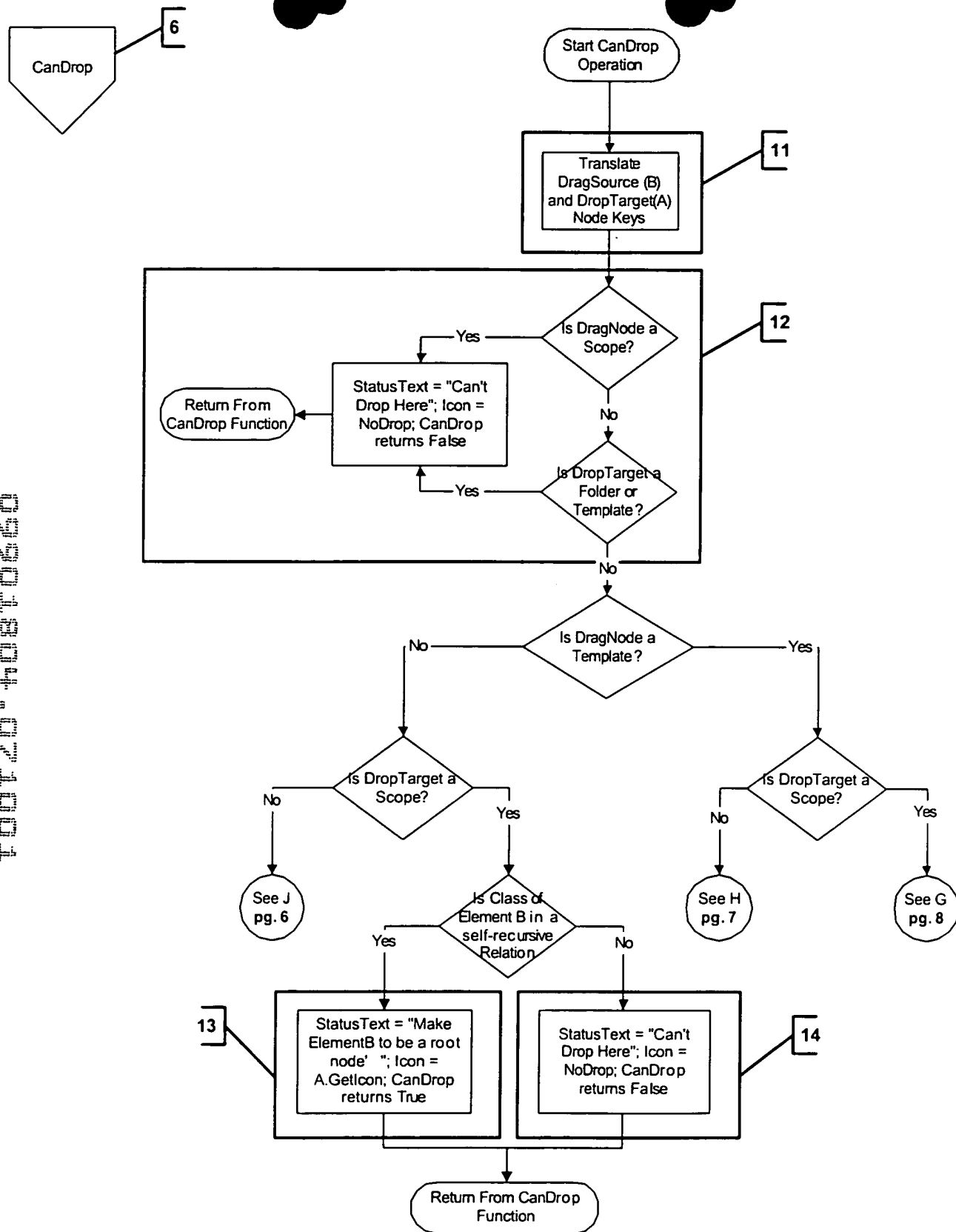


Figure 8<sup>6</sup> Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

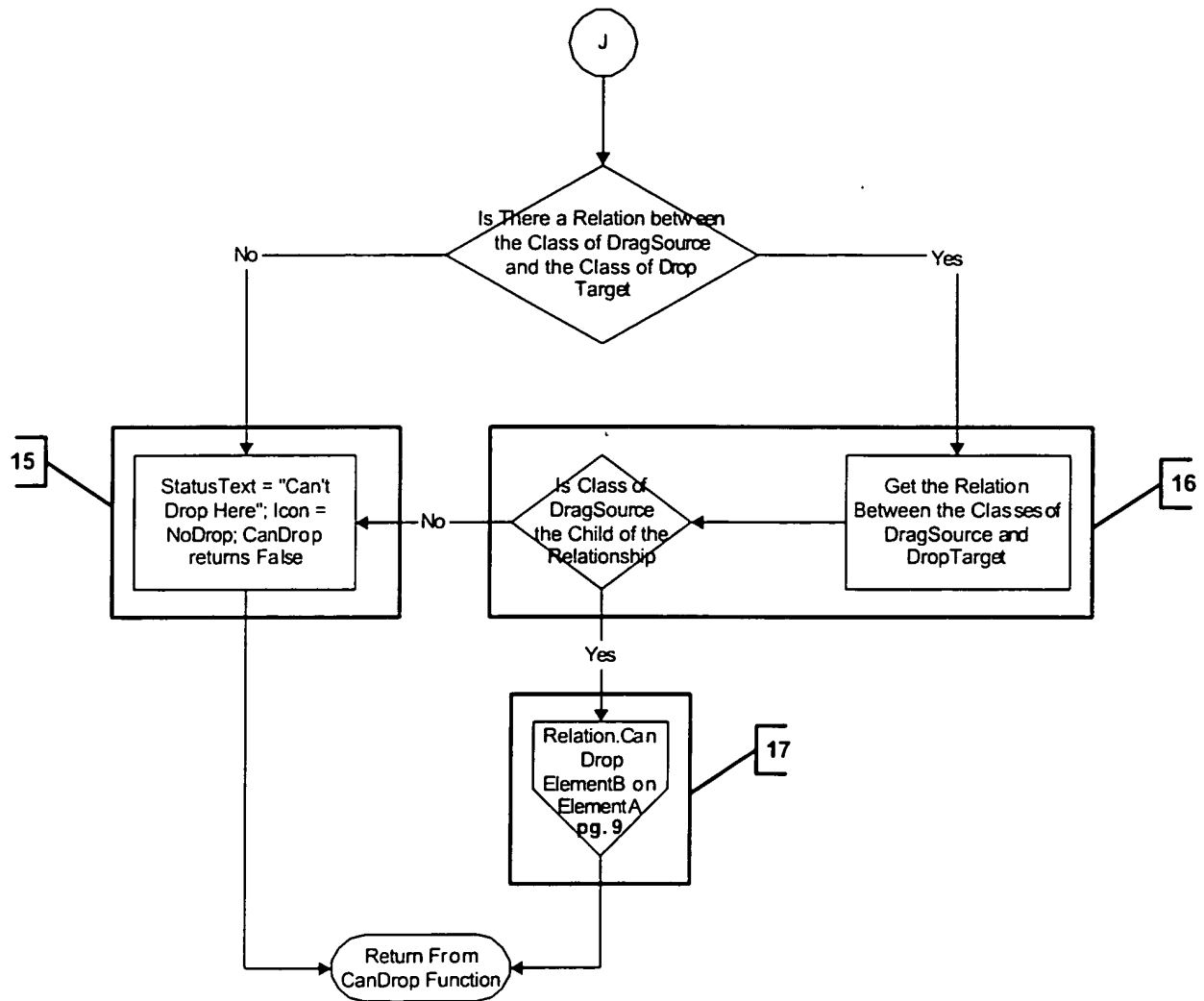


Figure 8<sub>1</sub> Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations



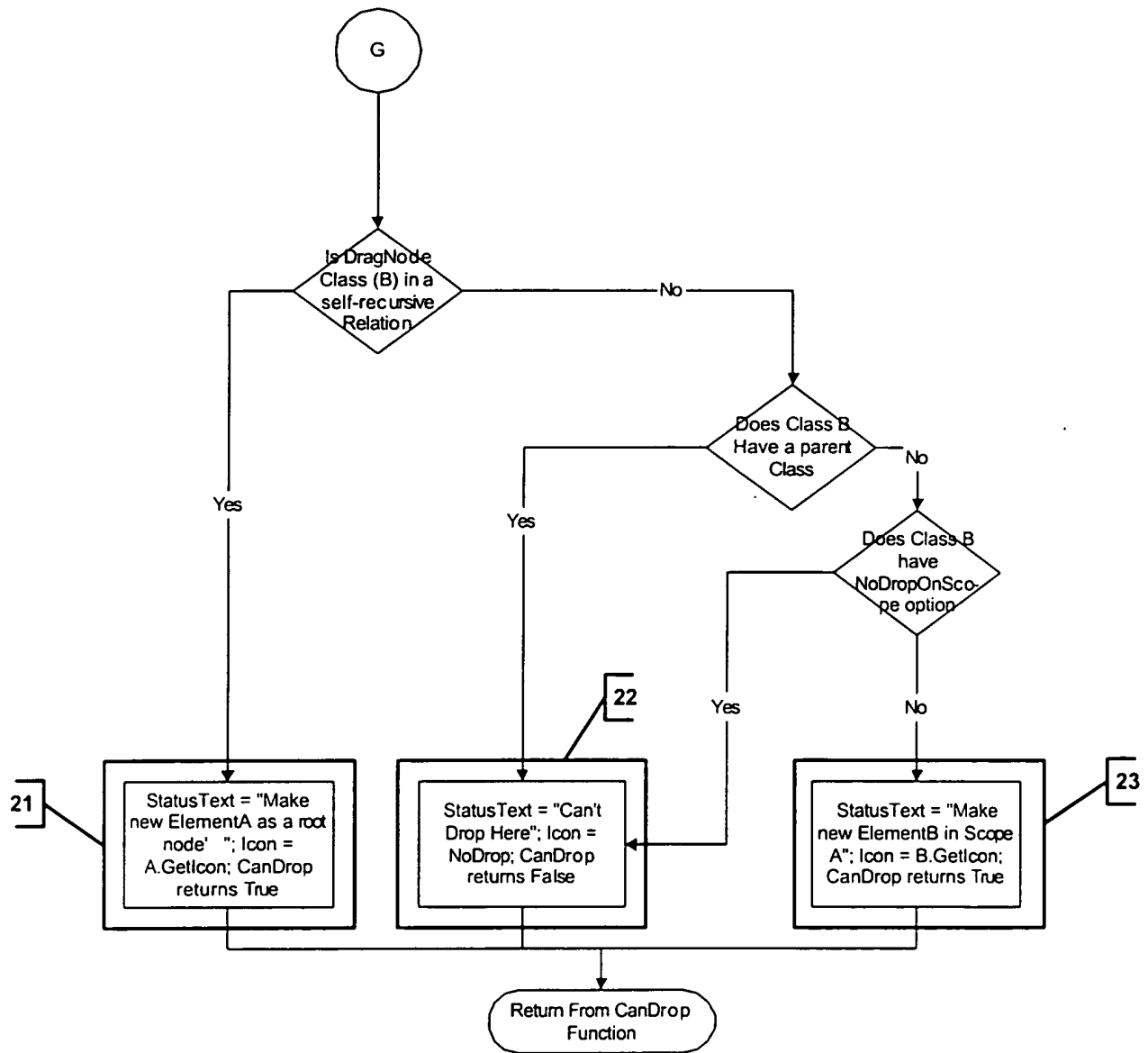


Figure 8<sup>A</sup> Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations



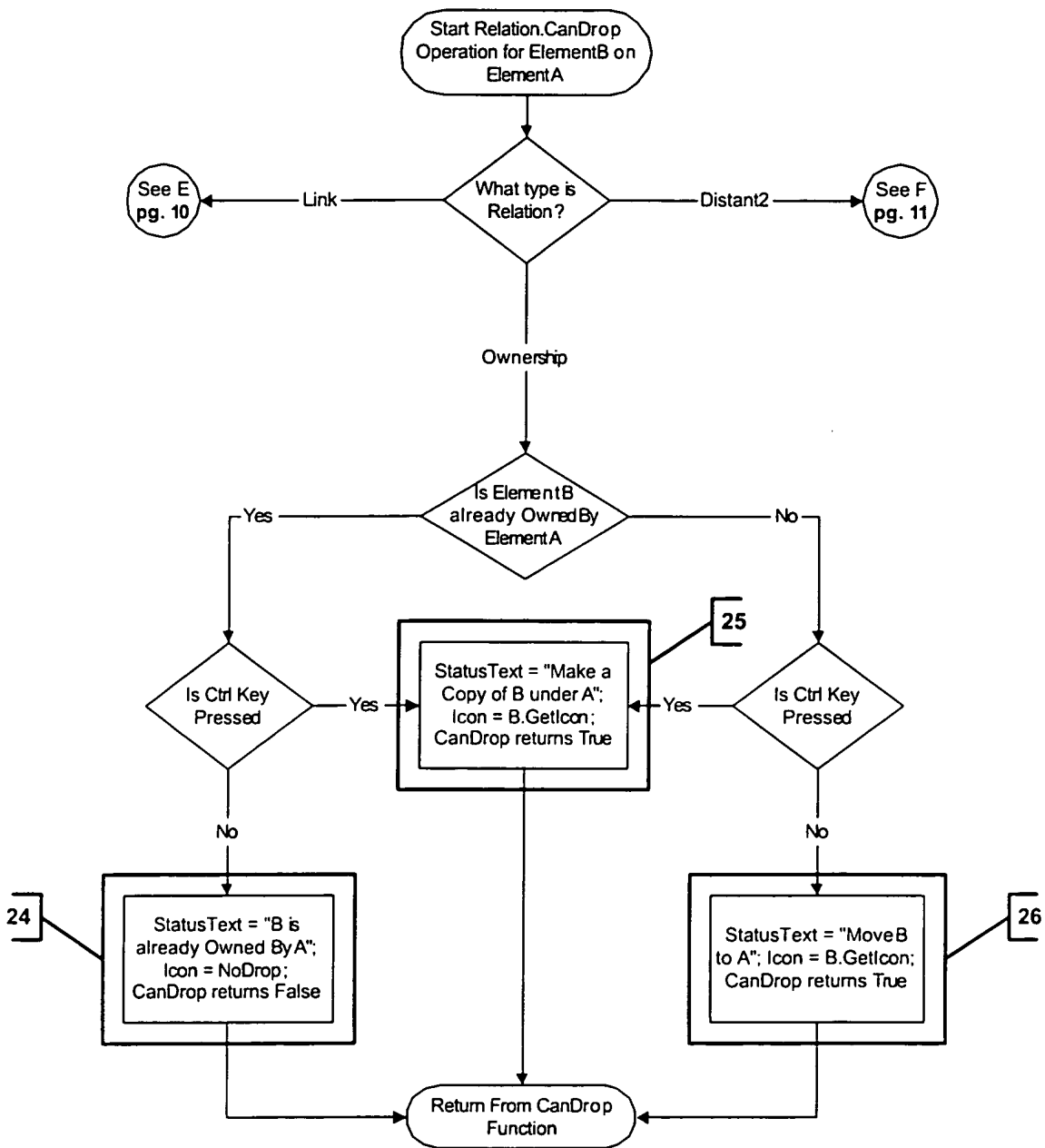
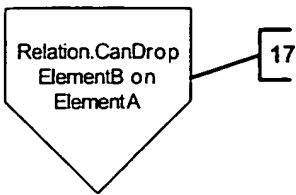


Figure 8<sup>1</sup> Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

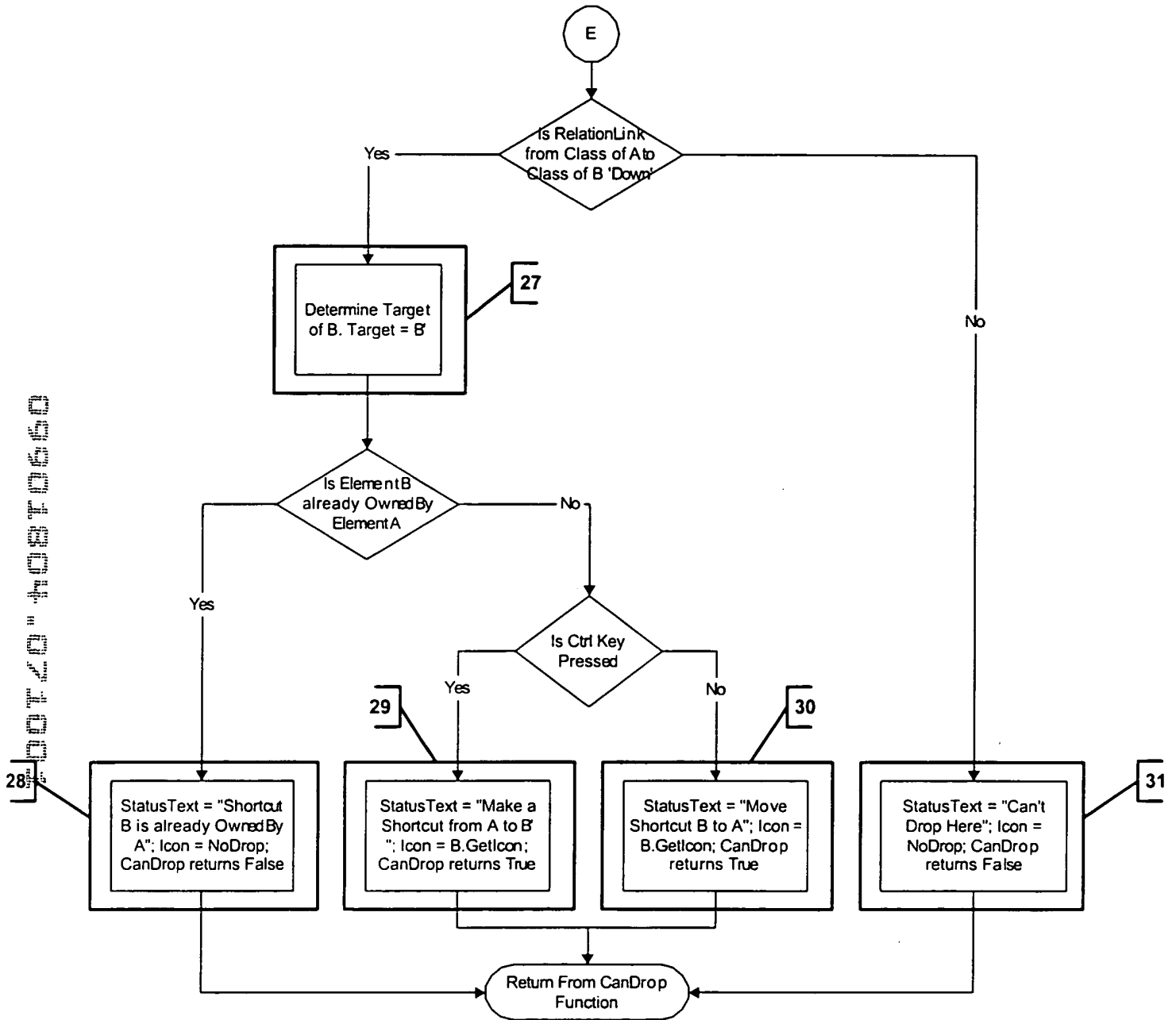
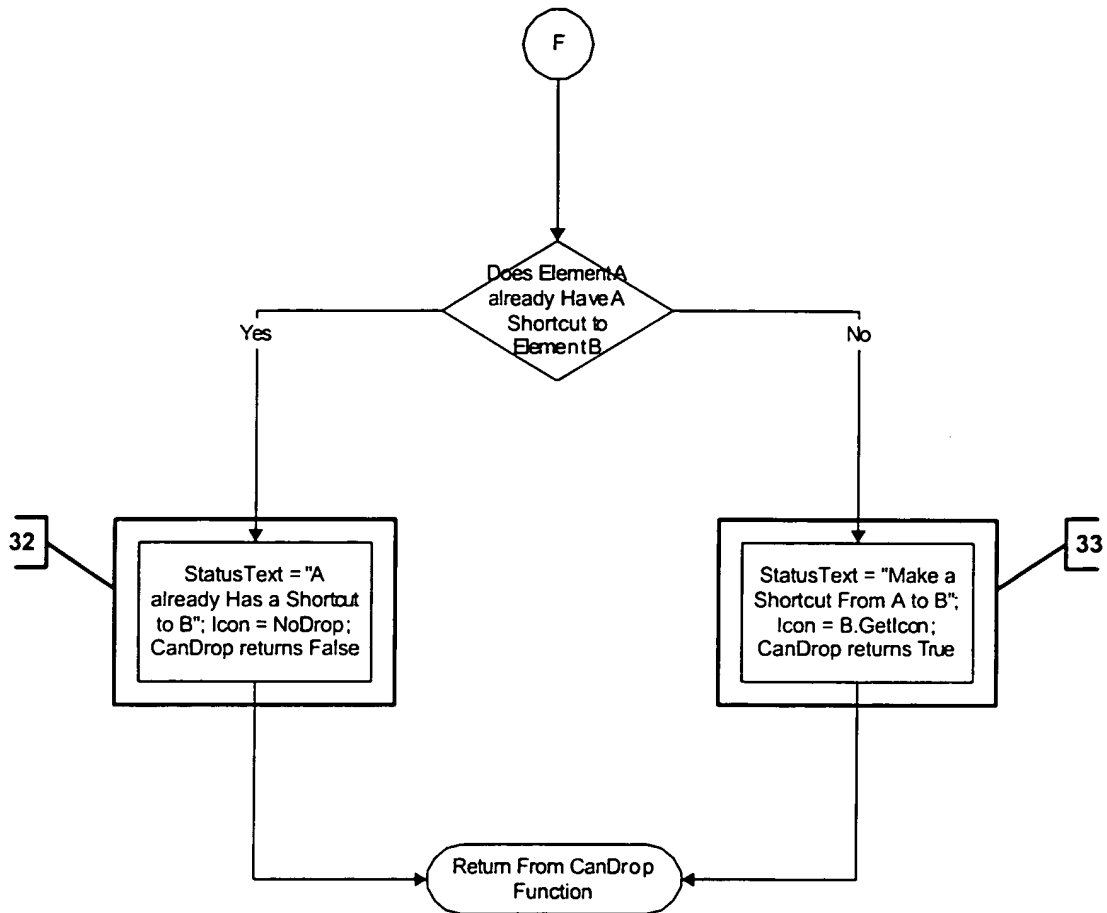


Figure 8<sup>J</sup><sub>A</sub> Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations



K

Figure 8A Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

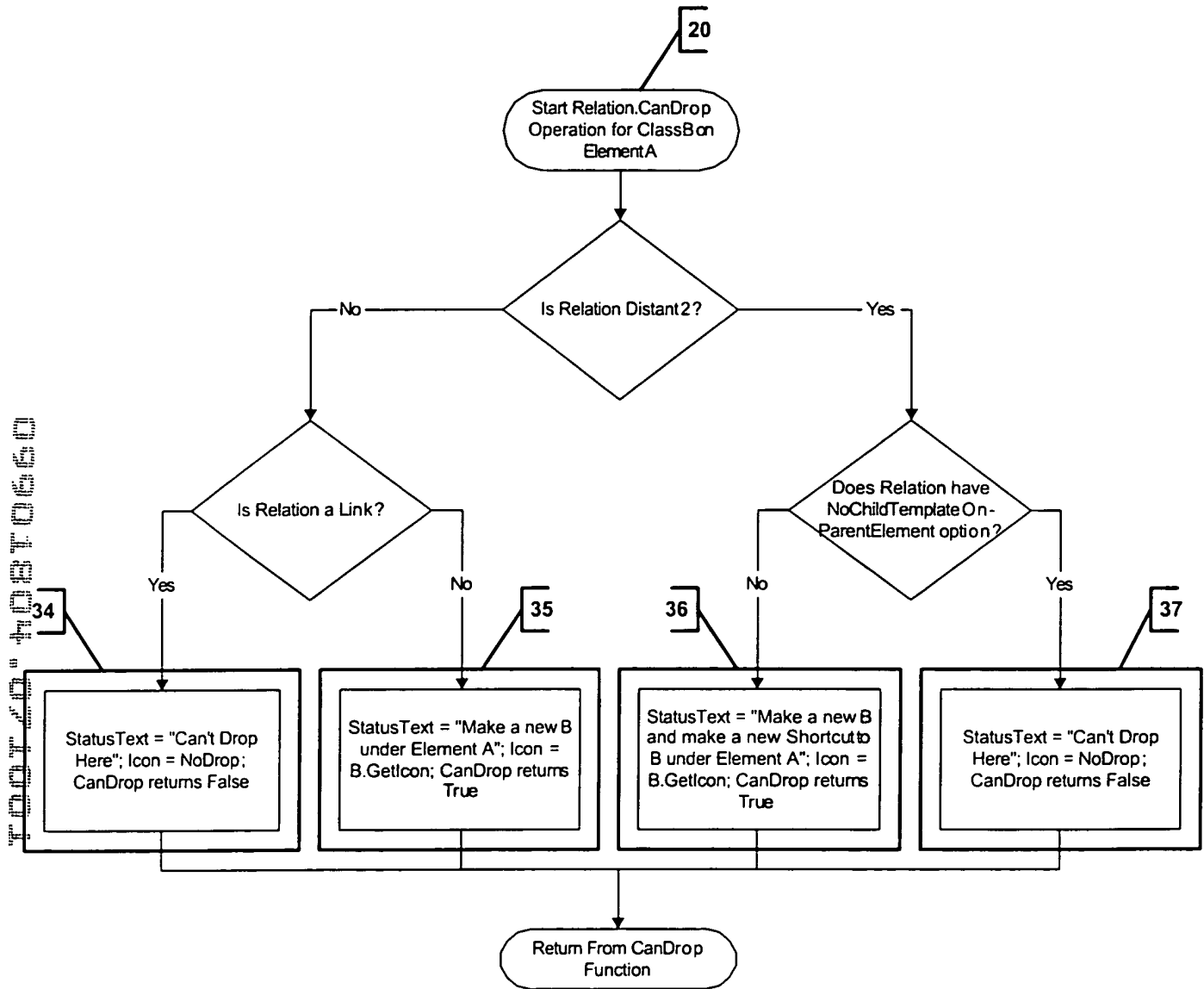


Figure 8A Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

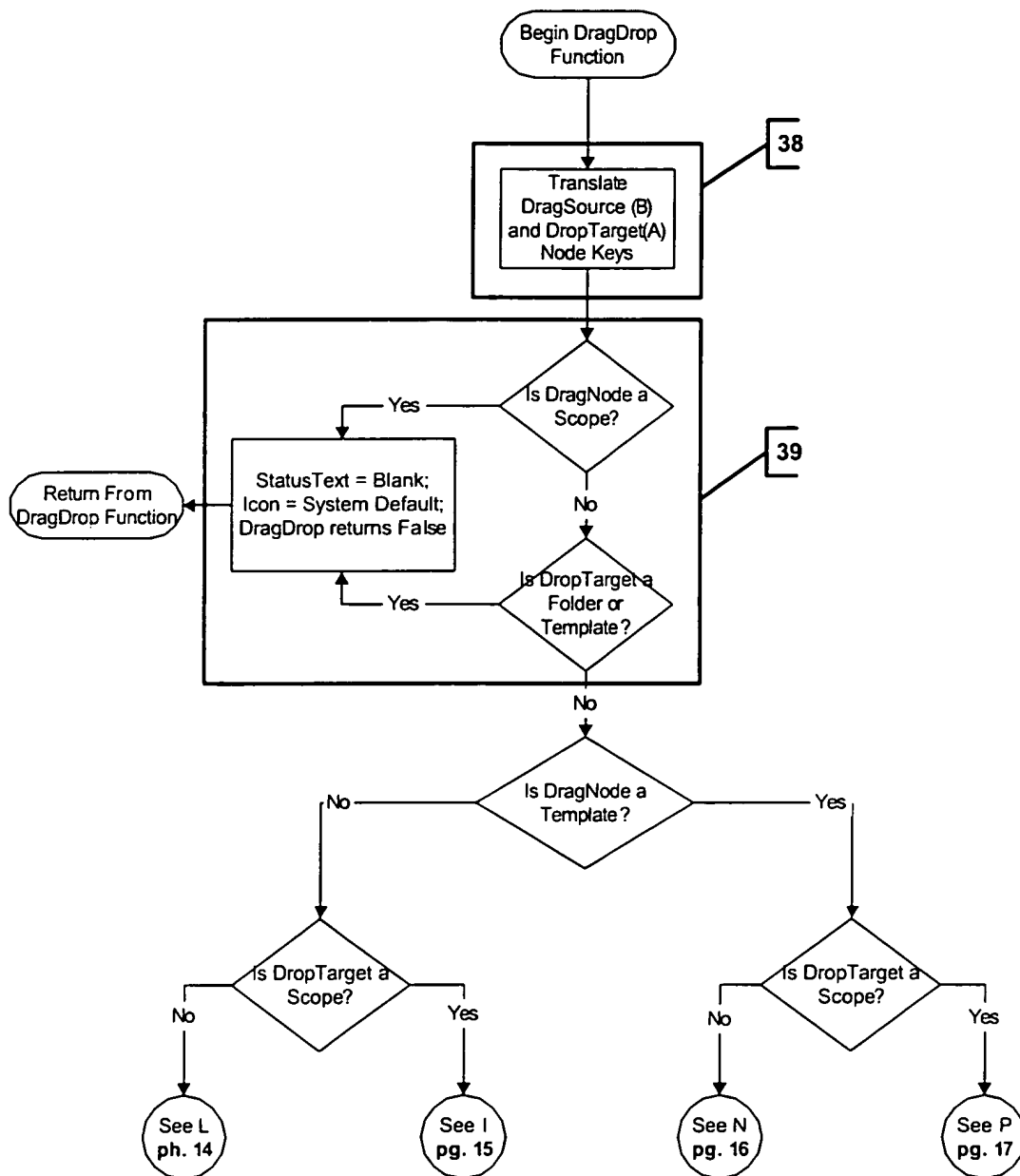


Figure 8<sup>m</sup> Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

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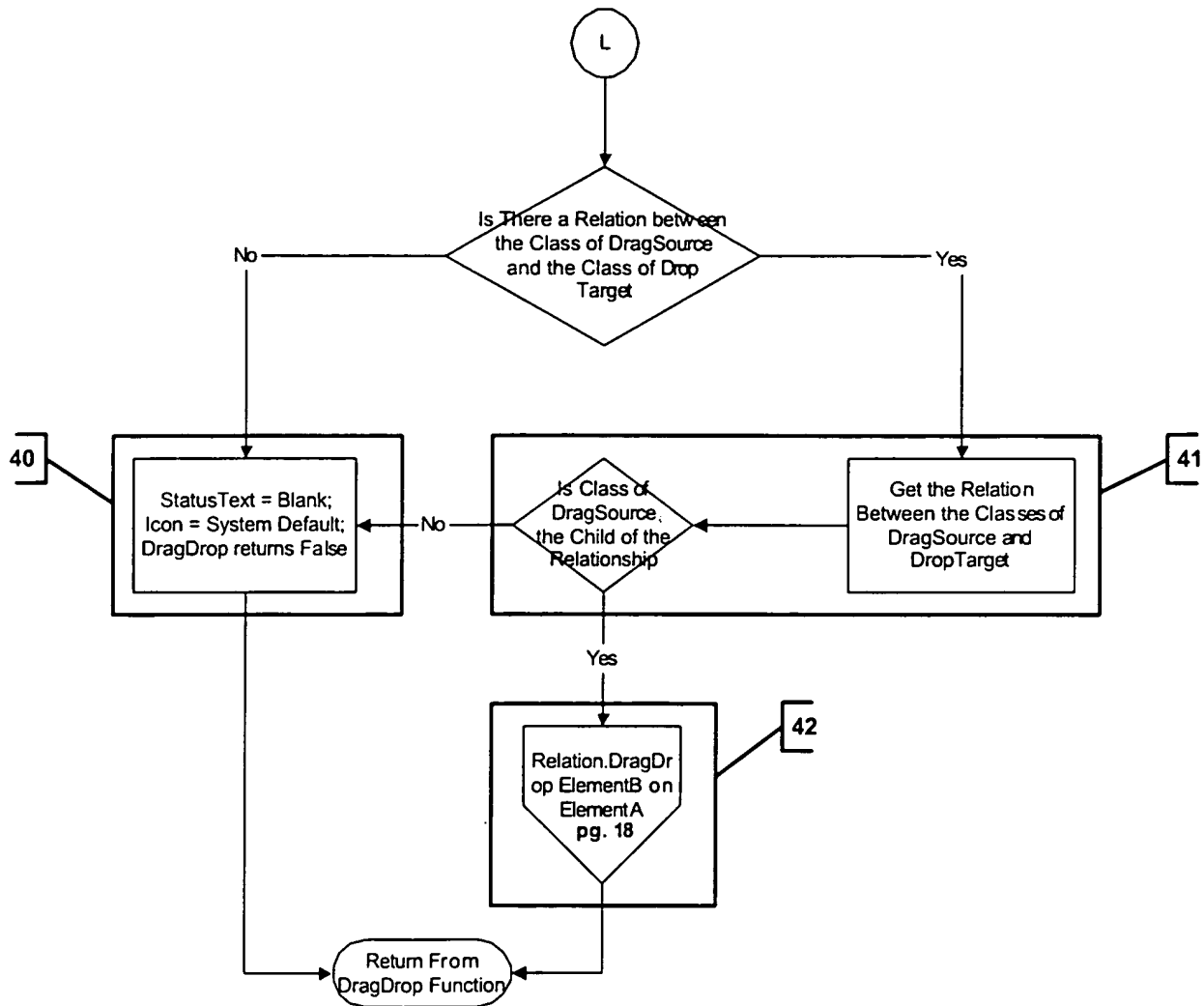


Figure 8<sup>N</sup> Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

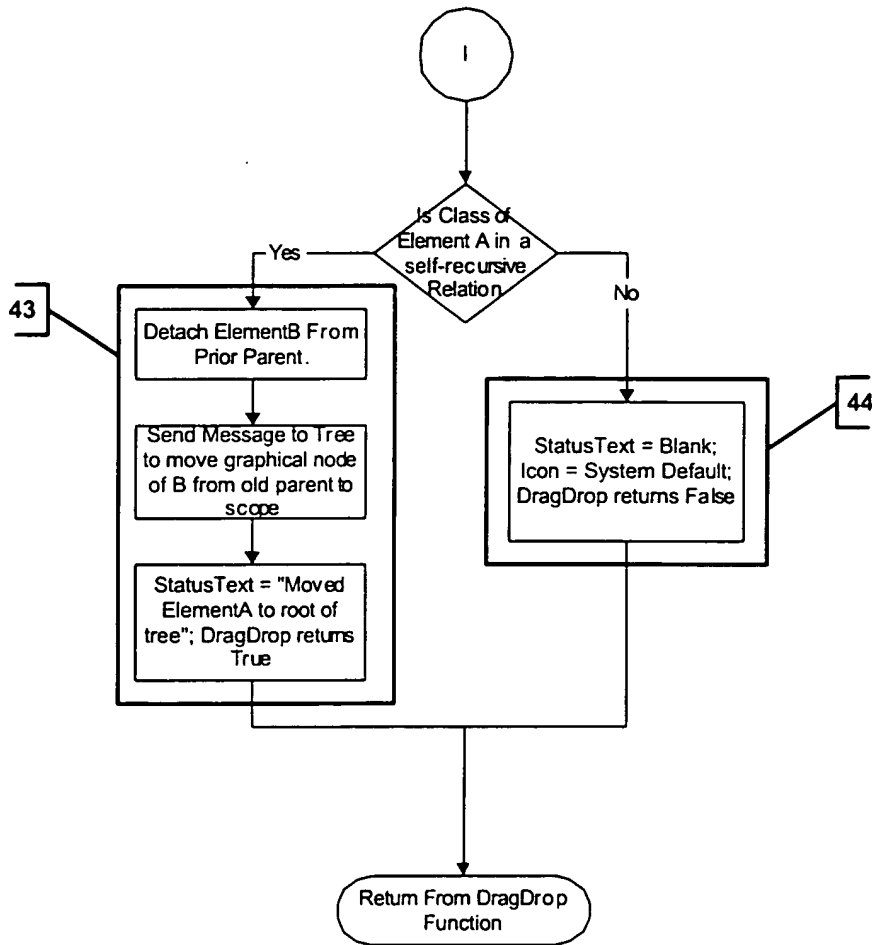


Figure 8<sup>0</sup> Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

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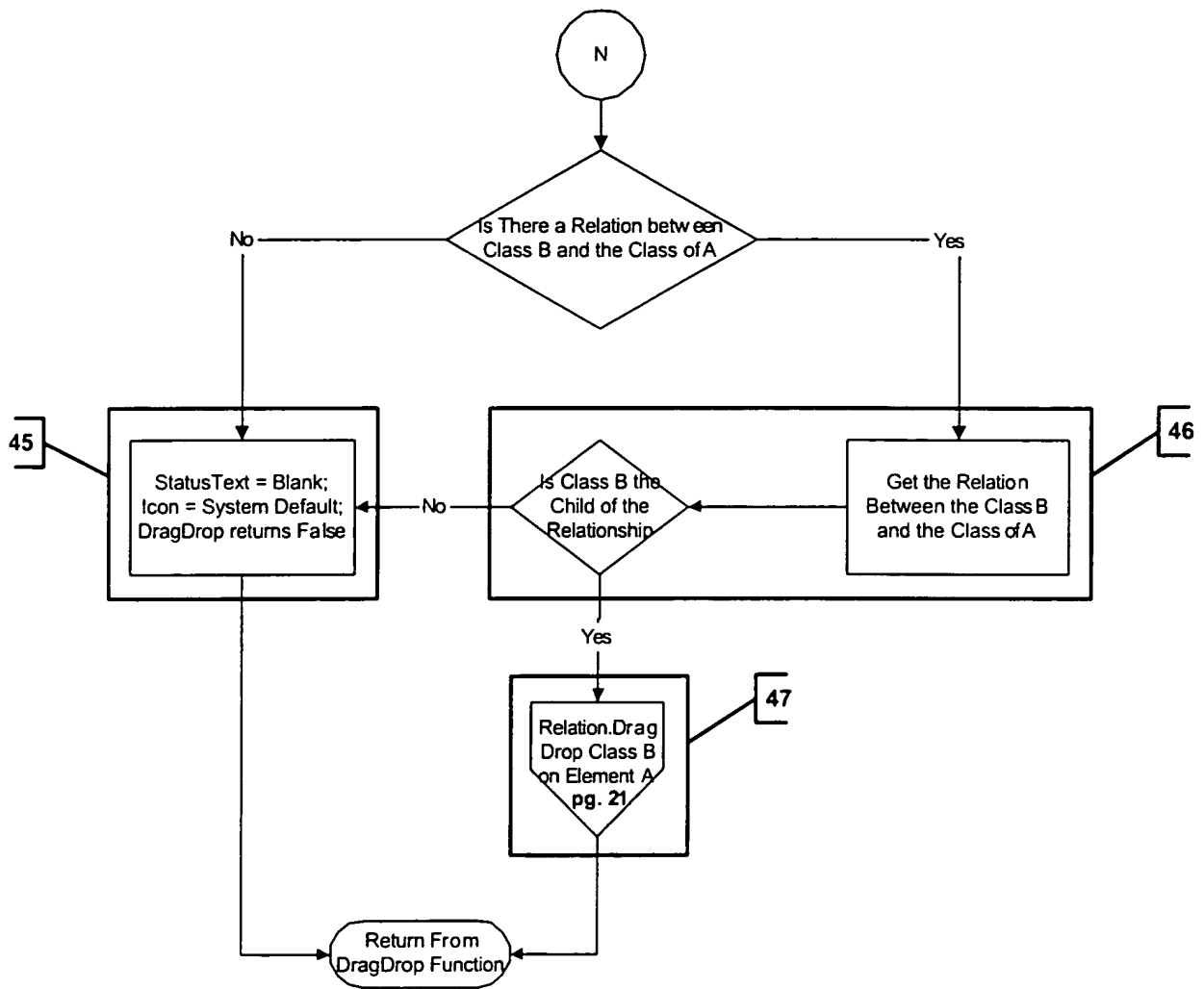


Figure 8<sup>p</sup><sub>A</sub> Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations



TOP SECRET

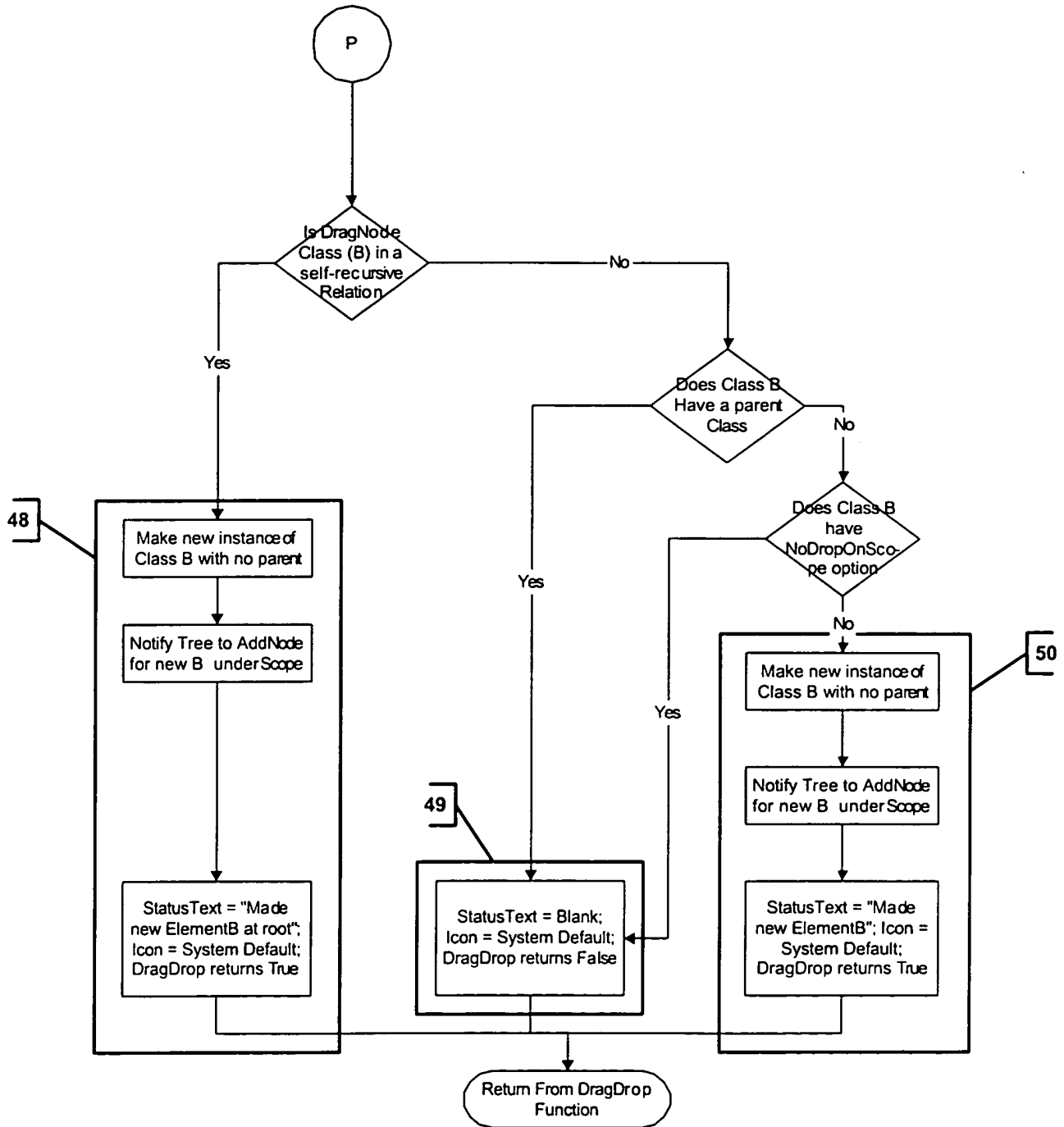
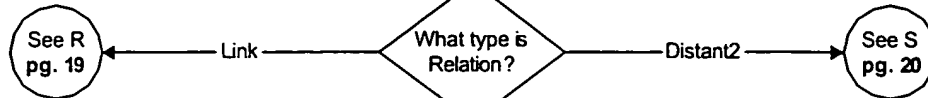


Figure 8<sup>Q</sup> Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

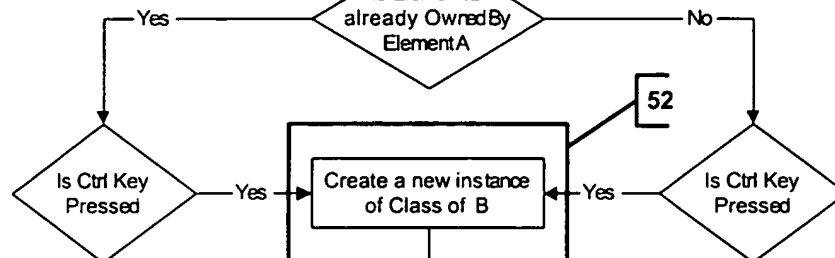
Relation.Drag  
Drop  
ElementB on  
ElementA

42

42



Ownership



Create a new instance  
of Class of B

Copy Members from  
Dragged B to new B

Attach new B as child  
of A

Notify Tree to Insert  
Node for new B

StatusText = "Made a  
Copy of B under A";  
Icon = System Default;  
DragDrop returns True

Detach B from original  
Parent

Attach B as child of A

Notify Tree to Move  
Node for new B

StatusText = "Move B  
to A"; Icon = B.GetIcon;  
CanDrop returns True

51

StatusText = Blank;  
Icon = System Default;  
DragDrop returns False

Return From DragDrop  
Function

52

53

Figure 8<sup>R</sup> Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

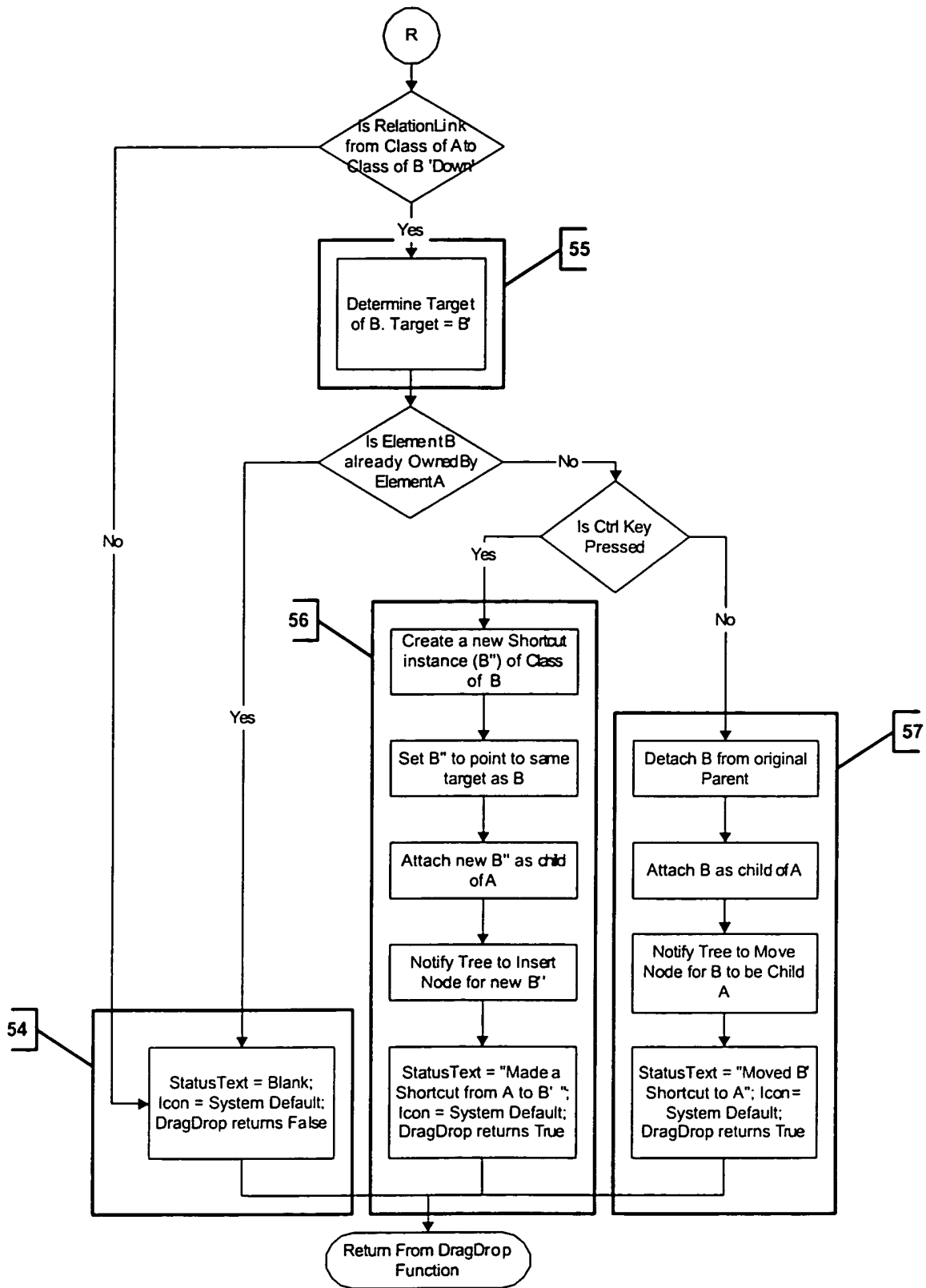


Figure 8<sup>5</sup> Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

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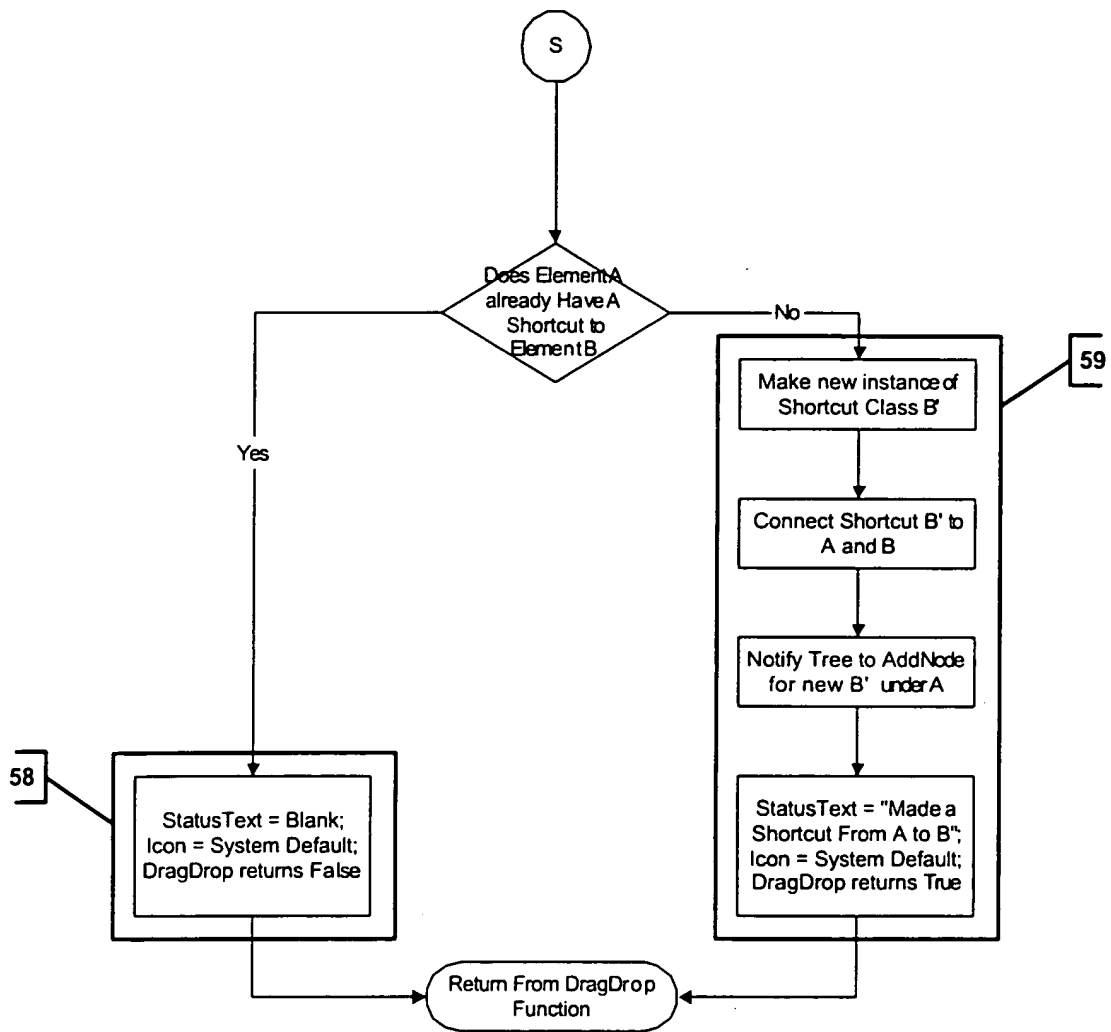


Figure 8<sup>T</sup> Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

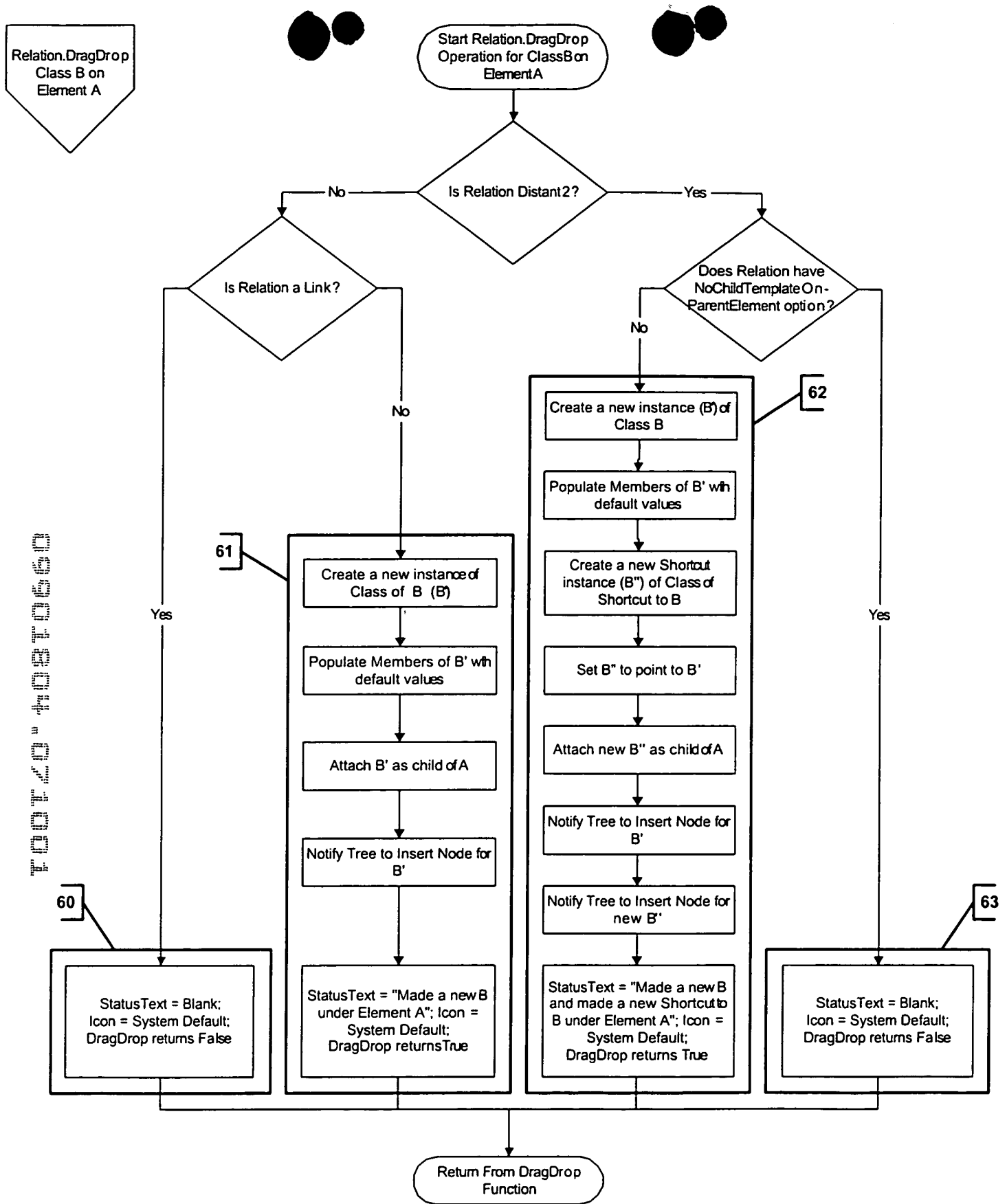


Figure 8. Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

FIG. 9: Computer System

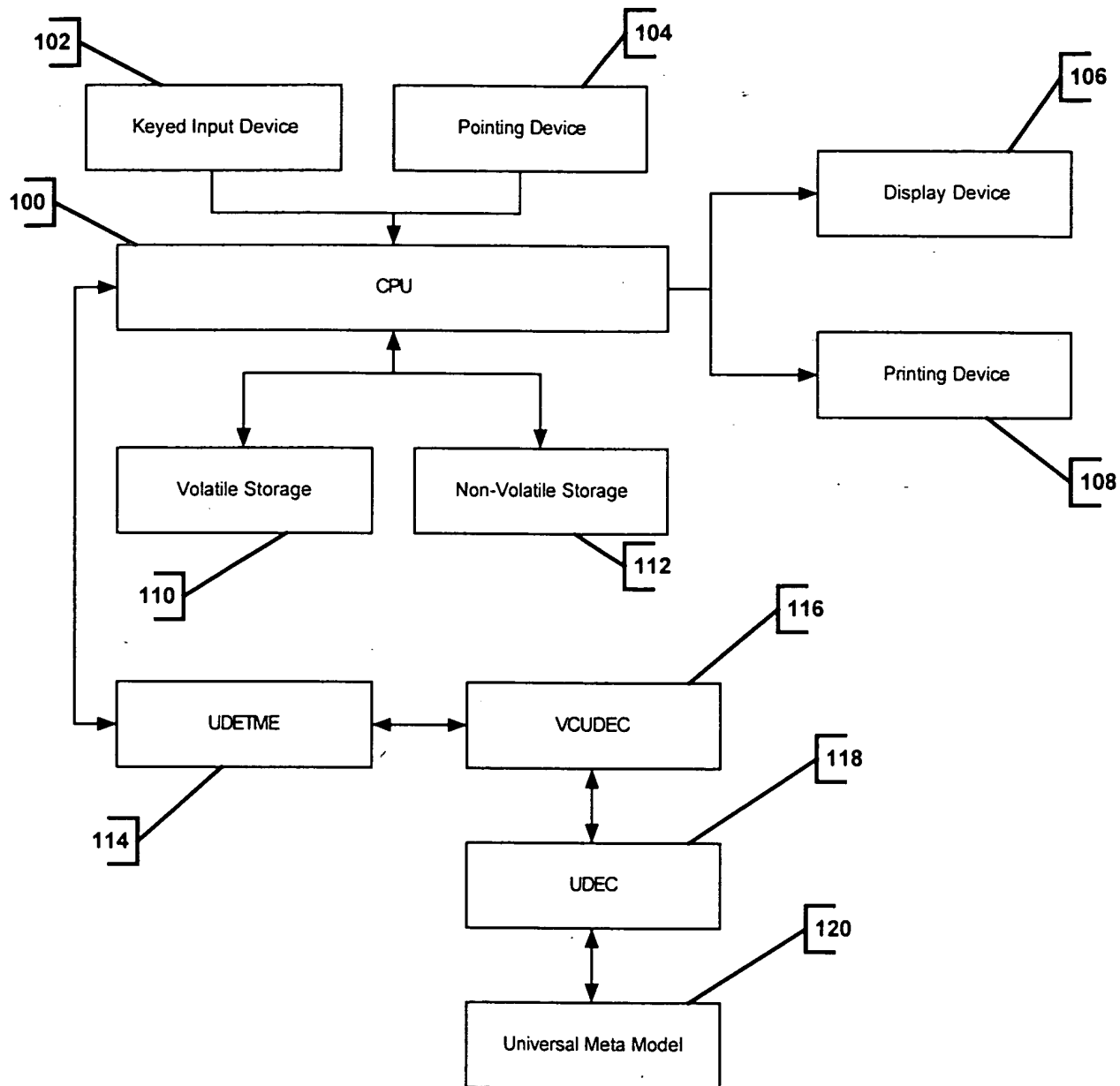


Figure 9: Computer System